Petrol.

The Institution of Mechanical Engineers.

LIST OF MEMBERS.

1st MARCH 1916.

ARTICLES AND BY-LAWS.

Control of the last



The Justitution of Mechanical Engineers.

ESTABLISHED 1847.

LIST OF MEMBERS, &c.

1ST MARCH 1916.

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The Institution of Mechanical Engineers.

PAST-PRESIDENTS.

GEORGE STEPHENSON, 1847-48. (Deceased 1848.)

ROBERT STEPHENSON, F.R.S., 1849-53. (Deceased 1859.)

SIR WILLIAM FAIRBAIRN, BART., LL.D., F.R.S., 1854-55. (Deceased 1874.)

SIR JOSEPH WHITWORTH, BART., D.C.L., LL.D., F.R.S., 1856-57, 1866. (Deceased 1887.)

JOHN PENN, F.R.S., 1858-59, 1867-68. (Deceased 1878.)

JAMES KENNEDY, 1860. (Deceased 1886.)

THE RIGHT HON. LORD ARMSTRONG, C.B., D.C.L., LL.D., F.R.S., 1861-62, 1869. (Deceased 1900.)

ROBERT NAPIER, 1863-65. (Deceased 1876.)

JOHN RAMSBOTTOM, 1870-71. (Deceased 1897.)

SIR WILLIAM SIEMENS, D.C.L., LL.D., F.R.S., 1872-73. (Deceased 1883.)

SIR FREDERICK J. BRAMWELL, BART., D.C.L., LL.D., F.R.S., 1874-75.
(Deceased 1903.)

THOMAS HAWKSLEY, F.R.S., 1876-77. (Deceased 1893.)

JOHN ROBINSON, 1878-79. (Deceased 1902.)

EDWARD A COWPER, 1880-81. (Deceased 1893.)

PERCY G. B. WESTMACOTT, 1882-83.

SIR LOWTHIAN BELL, BART., LL.D., F.R.S., 1884. (Deceased 1904.)

JEREMIAH HEAD, 1885-86. (Deceased 1899.)

SIR EDWARD H. CARBUTT, BART., 1887-88. (Deceased 1905.)

CHARLES COCHRANE, 1889. (Deceased 1898.)

JOSEPH TOMLINSON, 1890-91. (Deceased 1894.)

SIR WILLIAM ANDERSON, K.C.B., D.C.L., F.R.S., 1892-93. (Deceased 1898.)

SIR ALEXANDER B. W. KENNEDY, LL.D., F.R.S., 1894-95.

E. WINDSOR RICHARDS, 1896-97.

SAMUEL WAITE JOHNSON, 1898. (Deceased 1912.)

SIR WILLIAM H. WHITE, K.C.B., LL.D., D.Sc., F.R.S., 1899-1900.

(Deceased 1912.)

WILLIAM H. MAW, LL.D., 1901-02.

J. HARTLEY WICKSTEED, 1903-04.

EDWARD P. MARTIN, 1905-06. (Deceased 1910.)

T. HURRY RICHES, 1907-08. (Deceased 1911.)

JOHN A. F. ASPINALL, M. Eng., 1909-10.

EDWARD B. ELLINGTON, 1911-12. (Deceased 1914.)

SIR H. FREDERICK DONALDSON, K.C.B., 1913-14.

The Institution of Mechanical Engineers.

OFFICERS.

1916.

TO	THE	CTTE	TATE	m
LT	L	תדנ	EN	1.

THEOLDEN T.	
W. CAWTHORNE UNWIN, LL.D., F.R.S.,	 London.
PAST-PRESIDENTS.	
JOHN A. F. ASPINALL, M.Eng.,	 Manchester.
SIR H. FREDERICK DONALDSON, K.C.B.,	
SIR ALEXANDER B. W. KENNEDY, LL.D., F.R.S.,	London.
WILLIAM H. MAW, LL.D.,	 London.
E. WINDSOR RICHARDS,	 Caerleon.
PERCY G. B. WESTMACOTT,	 Ascot.
J. HARTLEY WICKSTEED,	 Leeds.
VICE-PRESIDENTS.	
WILLIAM H. ALLEN,	 Bedford.
HENRY DAVEY,	Ewell.
Edward Hopkinson, D.Sc.,	Manchester.
J. Rossiter Hoyle,	 Sheffield.
MICHAEL LONGRIDGE,	 Altrincham.
MARK H. ROBINSON,	 London.
MEMBERS OF COUNCIL	
ARCHIBALD BARR, LL.D., D.Sc.,	Glasgow,
SIR J. WOLFE BARRY, K.C.B., LL.D., F.R.S.,	London.
DUGALD CLERK, D.Sc., F.R.S.,	London.
SIR A. TREVOR DAWSON,	London.
John Dewrance,	London.
SIR J. ALFRED EWING, K.C.B., LL.D., F.R.S.,	 Edenbridge.
SIR ROBERT A. HADFIELD, D.Sc., D.Met., F.R.S.,	Sheffield.
CHARLES HAWKSLEY,	 London.
H. S. HELE-SHAW, LL.D., D.Sc., F.R.S.,	London.
George Hughes,	 Horwich.
HENRY A. IVATT,	 Haywards Heath.
BOWMAN MALCOLM,	 Belfast.
ROBERT MATTHEWS,	 Manchester.
Donald B. Morison,	Hartlepool.
SIR GERARD A. MUNTZ, BART.,	 Birmingham.
Eng. Vice-Admiral Sir Henry J. Oram, K.C.B., F.R.S.	London.
WILLIAM H. PATCHELL,	London.
Walter Pitt,	Bath.
VINCENT L. RAVEN,	
CAPTAIN H. RIALL SANKEY, R.E., ret.,	
WILSON WORSDELL,	 London.

HON. TREASURER.

AUDITOR.

F. H. NORWOOD.

RAYMOND CRANE, F.C.A.

SECRETARY. EDGAR WORTHINGTON,

The Institution of Mechanical Engineers, Storey's Gate, St. James's Park, London, S.W.

Telegraphic Address: -Mech, Parl, London.

Telephone: - Victoria 4564.

TOTALS.

HONORARY	LIFE	ME	MBERS			8
MEMBERS						2,681
ASSOCIATE	Мемв	ERS				2,989
ASSOCIATES						47
GRADUATES						480
						6,205

Note.—Although about 730 members are on Active Service, their postal addresses are as printed.

THE	PREFIX	THE IN	DICATES	THE REC	IPIENT C	F A WILL	ANS PREMIUM.	
19	,,	ems	,,	**	"	WATE	R ARBITRATION PRIZE.	
11	,,	5	"	"	,,	STARI	LEY PREMIUM.	
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"	"	MM	,,	THE REC	PIPIENT C		DMAS HAWKSLEY" GOI	D
,,	,,	Mi	"	,,	,,	"THOMAS	HAWKSLEY" PREMIU	M.
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11	**	E	: ,	,,	,,,	,,	EXAMINATION.	

The Institution of Mechanical Engineers.

ESTABLISHED 1847.

LIST OF MEMBERS,

WITH YEARS OF ELECTION AND TRANSFERENCE.

[Telegraphic Address and Telephone No. appended within brackets.]

1st March 1916.

HONORARY LIFE MEMBERS.

[Hon. M.I.Mech.E.]

Date of Election.

1889.

1899. HIS MOST GRACIOUS MAJESTY KING GEORGE THE FIFTH.

1885. Hon. M.	[F.D.D	University College, London: 17 Victoria Street, Westminster, S.W. [Kinematic, London.]
1883. M. 1916. Hon. M.	(LEAVITT, ERASMUS DARWIN	317 Harvard Street, Cambridge, Mass., U.S.
1859. M. 1916. Hon. M.	PRICE-WILLIAMS, RICHARD	Highbury, St. Swithin's Road, Bournemouth. [Spandrel, Bourne- mouth. 910.]
1878.	RAYLEIGH, The Right Hon.	Terling Place, Witham, Essex.
	LL.D., F.R.S	
1911. Hon. M.	_ AUREL	Eidgenössische Polytechnische Schule, Zürich, Switzerland.
	(Unwin, Professor William Cawthorne, LL.D., F.R.S.	Palace Gate Mansions, 29 Palace Gate, Kensington, W.

EIFFEL, GUSTAVE 1 Rue Rabelais, Paris.

MEMBERS.

[M.I.Mech.E.]

T. 1. 0777	[M.I.Me	ch.E.]
Date of Election and of Transfer.		
1896. A.M.) 1900. M.)	ABADY, JACQUES	·· { 11 Lyndhurst Rd., Hampstead, N.W.
1890.	ABBOTT, ARTHUR HAROLD	c/o Messrs. Octavius Steel and Co., Calcutta.
1902. A.M. 1906. M.	ABEL, WALTER ROBERT	A Floor, Milburn House, 31 Mosley St., Newcastle-on-Tyne.
1894.	Accles, William Sloane	25 Victoria St., Westminster, S.W. [Niliacus, London. Westminster 486.]
1898. A.M.) 1907. M.)	ACFIELD, WILFRED COSENS	Signal Supt., Mid. Rly., Derby.
	ACLAND, Captain Francis E WARD DYKE	[3617 Victoria.]
1876.	ADAMS, HENRY	60 Queen Victoria St., E.C [Bank 6006.]
1907. A.M.) 1911. M.) 1892. G.)	Adams, Henry Charles	60 Queen Victoria St., E.C. [Bank 6006.]
1897. A.M. 1911. M.	Adams, Sidney Rickman	2 Western Road, Bexhill-on-Sea.
1881.	Adams, William John	Messrs. Adams and Co., 35 Queen Victoria St., E.C. [Packing, London. Bank 38.]
1897.	ADAMSON, DANIEL	Longlands, Hyde, Cheshire.
1912.	Adamson, David	90 Pilgrim St., Newcastle-on-Tyne. (Messrs. Joseph Adamson and Co.,
1871.	Adamson, Joseph	Hyde. [Adamson, Hyde. Nat. Tel. 13.]
1889.	ADDY, GEORGE	Waverley Works, Sheffield. [Milling, Sheffield. 985.]
1903.	ADIE, ALFRED EDMOND	Rajpur Road, Delhi, India.
1908.	ADLAM, EDWIN GEORGE	Messrs. George Adlam & Sons,
1887.	AHMED Pasha, Vice-Admirert	(late Eng in Chief Imperial Naval
1895. A.M.)	AHRONS, ERNEST LEOPOLD	16 Corporation Oaks, Nottingham.
1898. M.)	AITKEN, CHARLES HEN	(Manager El Varadero de Manila
1900.	AITKEN, HUGH WALLACE	[Sugar-cane, Glasgow, Sugar-cane, Glasgow,]
1900.	AITON, JOHN ARTHUR	Messrs. Aiton & Co., Derby. [Chan- neled, Derby. Derby 525.]

and of Italisies.	
1909. {AKROYD - STUART, CHARLES HENRY	
1901. AKROYD-STUART, HERBERT	Akroyd Buildings, Melbourne Rd., Perth, W. Australia.
1893. G. 1900. A.M. 1908. M. ALDERSON, CHARLES ALBERT HESELTON	(Messrs. Allen, Alderson & Co.,
1890. G. 1896. A.M. 1908. M. ALDERSON, GEORGE ALEX-	Messrs. Allen, Alderson & Co., Alexandria, Egypt; and The Cloisters, Bulkeley, Ramleh, Egypt. [Messrs. Allen, Alderson and Co.,
1885. Alderson, George Beeton	Alexandria Egynt and Nowland
1908. A.M., ALDRIDGE, THOMAS HENRY 1913. M., UNITE	Szechuen Road, Shanghai, China.
1875. ALLAN, GEORGE	31 St. George's Terrace, Jesmond,
1903. A.M.) ALLBUT, JONATHAN ENOCH	
1915. M. HILL	ford, Manchester.
1885. G.) ALLCARD, HARRY	Messrs. Easterbrook, Allcard and Co., 9-11 Fenchurch Avenue, E.C.
1912. ALLEN, CLAUDE	Leonie, Eastbury Avenue, Northwood, Middlesex.
1913. Allen, Ernest Joshua	Messrs. S. Pearson & Son, 1 Victoria St., Westminster, S.W.
1874. G.) ALLEN, FRANCIS	Cockley Cley Hall, Swaffham.
1902. A.M. ALLEN, HAROLD GWYNNE, M.A.	Queen's Engineering Works, Bed- ford.
1891. ALLEN, MARCUS	Carlton Lawn, Chester Road, Stret- ford, Manchester.
1881. Allen, Percy Ruskin	Linden Lodge, Runcorn, Cheshire. [Ruskin, Runcorn. 33.] [Queen's Engineering Works, Bed-
1900. ALLEN, RICHARD WILLIAM	Queen's Engineering Works, Bed- ford. [Pump, Bedford.]
1885. {ALLEN, WILLIAM HENRY (Vice-President)	Queen's Engineering Works, Bedford. [Pump, Bedford.]
1882. ALLEN, WILLIAM MILWARD	Iverdale, Denison Road, Victoria Park, Manchester.
1899. ALLEY, STEPHEN EVANS	Sentinel Works, Polmadie Rd., Glasgow. [Alley, Glasgow. Royal 673.]
1911. A.M. 1914. M. ALLINGHAM, HENRY WILLIAM	Sharston Manor, Gatley, Cheadle,
1907. ALLISON, OSWALD	- Cheshire. Zwartkops, Cape Colony.
1902 AM)	
1905. M.) AMBLER, RATCLIFF VINCENT	Casilla 139, Serena, Chile.
1904. Ames, Richard	Municipal and County Club, White- hall Court, S.W.
1903. Amor, Walter	Manager, Ammunition Factory, Kirkee, India.
1885. G. AMOS, EWART CHARLES	(22 Martin's Lane, Cannon St., E.C. [Drilling, London. Bank 5438.]
1880. G. ANDERSON, EDWARD WILLIAM	Lesney, Warwick Rd., Solihull, Birmingham.

	(Development Works Med Tolot
1902. ANDERSON, HARRY	Bamberton Works, Tod Inlet, British Columbia.
1890. Anderson, Herbert William	The Hermitage, Buxted, Uckfield.
1904. A.M.)	Messrs. Urquhart Lindsay & Co.,
1910. M.) ANDERSON, JAMES KEITH	Blackness Foundry, Dundee.
1905. Anderson, John	Canterbury Foundry, Christchurch, N.Z.
	(The Hollies, Gibsons Hill, Nor-
1901. Anderson, John Reid	wood, S.E.
(ANDERSON, JOHN WEMYSS,)	
1892. (M. Eng)	,
1902. ANDERSON, PERCY	(S. African Rlys., P.O. Box 36, Cape
1007 AM)	Town, Cape Colony. Messrs. Wright, Anderson & Co.,
1914. M. ANDERSON, WILLIAM JOHN	Abbot St., Gateshead.
(ANDREW Eng. Commander	(H.M.S. "Kent," c/o Postmaster
1899. GEORGE EDWARD, R.N	General, E.C.
1911. Andrews, George Leonard	Pernambuco Tramways and Power
	Co., Pernambuco, Brazil.
1908. {Andrews, George Samuel Burt	Town Engineer, Municipal Offices, Johannesburg, Transvaal.
	(Works Manager, London and
1915. ANFILOGOFF, NICHOLAS ALEX-	Thames Haven Oil Wharves,
ANDER	Thames Haven, Essex.
4040 A Times Arriv	Kaims Foundry, P.O. Box 357,
1912. Angus, James Allan	Ahlone, Rangoon, British Burma.
	(Inspeccion General de Maquinas,
1905. ANSTEY, HENRY CHARLES	Arsenales de Marina, Valparaiso,
	Chile.
and a page	Gen'l. Manager, Water Works Co.,
1906. Anthony, Charles, F.R.S.E.	Casilla de Correo 149, Bahia
1883. G.) Banca Vallagarun	Blanca, Arg. Rep.
1883. G. APPLEBY, PERCY VAVASSEUR	Rostherne, Red Hill.
1912. APPLEYARD, FREDERICK	Resident Docks Engineer, North
	Eastern Rly., West Hartlepool.
1874. Aramburu y Silva, Fernando	General Oráa 60, Madrid, Spain.
1903. ARKWRIGHT, BERNARD GEORGE	Sir W. G. Armstrong, Whitworth & Co., Elswick Works, Newcastle-
2000	on-Tyne.
1882. ARMER, JAMES	10 Eastcheap, E.C.
1902. ARMES, BENJAMIN STEPHEN	44 Manor Road, Brockley, S.E.
1902. A.M.) ARMISTEAD, THOMAS WEBSTER	Messrs. D. Rollo & Sons, Fulton
1905. M.)	Engine Works, Liverpool. (Queen Insurance Bldgs., 13 Castle
1894. ARMOUR, JAMES GLENCAIRN	St., Liverpool. [Area, Liverpool.
	2413.]
1876. Armstrong, William	Elmfield Lodge, Gosforth, New-
	Castle-on-Tyne.
1903. A.M. 1910. M. ARMYTAGE, JOHN HAWKSWORTH	Board of Trade, 47 Victoria St., Westminster, S.W.
1807 A.M.)	
1900. M. ARNOLD, WILLIAM	35 Shandon Crescent, Edinburgh.
1902. ARNOT, ARTHUR JAMES	Babcock and Wilcox Co., 427 and
and a section of the	429 Sussex St., Sydney, N.S.W.
1894. ABNOT, WILLIAM	[163 Hope Street, Glasgow. [Induction, Glasgow. Argyle 688.]
	[Lines workers, Crungow, 221 gg to 000.]

1887. ARTEAGA, ALBERTO DE	Juncal 1367, Buenos Aires, Arg. Rep.
1913. ASBRIDGE, HARRY HALES	Works Manager, Churchill Machine Tool Co., Pendleton, Man-
1902. ASBURY, GEORGE ELIAS	(chester. Newark Boiler Works, Newark; and 11 The Park, Newark. [Asbury, Newark.]
1901. Ash, Alfred Ellis	Messrs. Wm. Esplen & Sons, 31 James St., Liverpool.
1873. {Ashbury, Thomas (Life Member)	Manchester.]
1907. A.M. 1910. M. ASHDOWN, JABEZ WILLIAM	Messrs. Wm. Weeks & Son, Perseverance Iron Works, Waterside, Maidstone.
1889. G. 1896. A.M. 1901. M. ASHFORD, JOHN	Central Workshops, Amritsar, Punjaub, India.
1903. Ashley, Herbert	Eng. and Gen'l. Manager, Water Works Co., Commercial Rd., Portsmouth.
1891. Ashworth, Henry	Brynderwen, Bwlch, R.S.O., Breconshire.
1907. Ashworth, John Dawson .	Engineer and General Manager, Portsea Island Gas Light Co., Hilsea Gas Works, Cosham, Hants.
1902. A.M. 1910. M. ASPIN, JOHN	Messrs. J. and P. Coats, 50 Both- well St., Glasgow.
ASPINALL, JOHN AUDLE FREDERICK, M. Eng. (Pas President)	
1902. ASTBURY, ALBERT JAMES .	Wood End, Barnt Green, near Birmingham.
1000	Messrs. Belliss and Morcom, Ledsam St., Birmingham. (Dallam Forge, Warrington; and
1899. ATHERTON, THOMAS	Folly Lane, Warrington.
1905. M.) ATHERTON, WILLIAM HENRY.	. 113 Whitaker Rd., Derby.
1913. M. ATKINS, HARRY FREDERICK .	
1911. A.M.) ATKINSON, CHARLES ALFRED.	Chief Eng., Accident Dept., Royal Exchange Assec. Corpn., Royal Exchange, E.C.
2011.	Fairbanks-Morse Mfg. Co., Beloit, Wis., U.S.
1896. A.M.) ATKINSON, FREDERIC	Albert Bldgs., 49 Queen Victoria St., E.C. [Fixed, London.]
1898. A.M. 1904. M. ATKINSON, HENRY	Messrs. Hans Renold Ltd., Burnage Works, Didsbury, Manchester.
1897. A.M. 1902. M. ATKINSON, ROBERT ERNEST	81 Binns Rd., Edge Lane, Liver-pool.
1900. G.) 1901. A.M., 1913. M.)	M {Loco. Dept., Lancs. & Yorks. Rly., Horwich, Lancs.

1898.	ATTWOOD, JABEZ	Foster St., Stourbridge; and Hagley Rd., Stourbridge. [Attwoods, Stourbridge.]
1911.	AULD, JOHN	Loco. Supt., Barry Railway, Barry, B.O., Glam.
1892.	Austin, James Meredith	Genl. Manager, British Engineer- ing Co. of Egypt, 10 Sharia Zervudachi, Cairo, Egypt.
1894. A.M.) 1898. M.)	AVELINE, WILLIAM REBOTIER	Asiatic Petroleum Co., St. Helen's Court, Great St. Helen's, E.C.
1882.	AVELING, THOMAS LAKE	Messrs. Aveling and Porter, Rochester. [Aveling, Rochester.]

	BACK, ARTHUR CHARLES LEM-	Abbey Garage, Plymouth.
1900. M.	PRIÈRE)
1904. A.M.)	BACK, WALTER HERBERT	Gorleston Dock Engineering Works, Gorleston, Great Yarmouth.
1913. M.		(Gorleston, Great Yarmouth.
1899. A.M.) 1912. M.)	BACKHOUSE, JOHN	16 Merton Rd., Bootle, Liverpool.
1909.	BADER, FREDERICK ROBERT	(c/o Messrs. Henry S. King & Co., 65 Cornhill, E.C.
1905.	BAGNALL-WILD, Capt. RALPH KIRKBY, R.E., ret.	15 Acacia Road, St. John's Wood, N.W.
1904. A.M.)		(Messrs. D. T. Keymer & Co., 5
1911. M.	BAGSHAWE, BENJAMIN WYATT	Mangoe Lane, Calcutta.
		(Baguley Cars, Ltd., Burton-on-
1899.	BAGULEY, ERNEST EDWIN	Trent. [Baguley, Burton-on- Trent. 572.]
		Genl. Manager, Messrs. C. Roberts
1907. A.M.)	Bailey, Duncan George	& Co., Horbury Junction, near
1911. M.	Dilling a circuit Calcinate	Wakefield.
		65-67 Prudential Buildings, Park
1901.	BAILIE, JOHN DAVID	Row, Leeds, [Turbo, Leeds,
		1194.]
1000	D D	Carr. and Wagon Supt., Mid. Rly.,
1902.	Bain, David	Derby.
1890.	Bain, George	(Zeitoun, Norton, Letchworth,
1090.	DAIN, GEORGE	Herts.
		40 St. Enoch Sq., Glasgow; and
1880.	BAIN, WILLIAM NEISH	Collingwood, 7 Aytoun Rd.,
2000.	Dain, William Ithish	Pollokshields, Glasgow. [Glacis,
		(Glasgow.]
1902.	BAIRD, DAVID GEORGE	Talbot Engineering Works, Talbot
		Place, Dublin. [995.]
1898.	BAISTER, CHARLES	Divl. Loco. Supt., N.E. Railway,
		Gateshead. Messrs. Joseph Baker & Sons,
1897.	BAKER, GEORGE SAMUEL	Willesden Junction, N.W.
20011	DARKE, GEORGE DAMUEL	[Bakers, London, Willesden 1202.]
1902. G.)		[Lacitor of Advisors in the control and a .]
1903. A.M.	BAKER, HENRY NEWTON	160 Haverstock Hill, N.W.
1912. M.	,	
,		

1904. BAKER,	Joseph Allen, M.P.	Messrs. Joseph Baker & Sons, Willesden Junction, N.W. [Bakers, London. Willesden 1202.]
1894. BALDWII	n, Arthur Hugh	Messrs. Kendall & Gent, Victoria Works, Belle Vue, Manchester. [Tools, Manchester. 5147.]
1901. A.M.) BALE, Jon 1905. M.)	OHN HENRY FOOKS	Tata Hydro Electric Power Supply Co., Khopoli, Poona District, Bombay.
1877. BALE, M	ANFRED Powis	15 Sutton Court Road, Chiswick, W.
1914. BALL, JA	AMES BENJAMIN	Engin-Chief, Gt. Central Rly., Marylebone Station, N.W.
	ng. Commander RALPH CODRINGTON, R.N	Engr. Manager's Dept., H.M. Dock- yard, Portsmouth.
1897. A.M. BAMBER,	HERBERT WILLIAM	[166 Piccadilly, W. [Gazeuse, London. Regent 290.]
1898. BAMFORI	o, Robert George	c/o Mercantile Bank of India, Post Box No. 11, Madras.
1998. BANCROE	TT, FRANCIS JAMES	Barnet District Gas and Water Co., New Barnet.
1892. BANISTE	R, GEORGE HENRY	Ordnance Dept., Messrs. Vickers Ltd., Barrow-in-Furness.
	John Watkins	Longhedge House, Silverthorne Rd., Battersea Park, S.W.
1898. A.M.) BARBER,	THOMAS WALTER	72 Victoria Street, Westminster, S.W.
	, ANDREW WALKER	122 Wellington Street, Glasgow. [Confab, Glasgow.]
1910. A.M. BARGE, 1	HENRY LOWTHIAN	Messrs. Bullivant & Co., 72 Mark Lane, E.C.
1888. G. 1893. A.M. 1896. M. BARKER,	ERIC GORDON	22 Vale Drive, New Brighton, Birkenhead.
	GERALD	(c/o Messrs. R. Oliver & Son, 32 Nicholas Lane, Lombard Street, E.C.
1906. A.M.) BARKER,	John Henry	Messrs. Moses Eadon & Sons, President Steel Works, Sheffield.
1903. A.M.) BARKER,	LAURENCE CHECKLEY	Clyde House, Nevil Road, Bristol.
	T. BIRKETT	Lapworth Croft, Hockley Heath, Warwickshire.
1899. A.M.) BARKER,	THOMAS PERRONET	Managing Director, Messrs. Thomas Piggott and Co., Spring Hill, Birmingham.
1914. {BARKER, EDWAR		Manager, Messrs. David Rowell & Co., 33 Old Queen Street, Westminster, S.W.
1900. {BARMAN, DAWSO		10 University Gardens, Glasgow.
	CHARLES	171 Maldon Road, Colchester.
	JOHN EDWARD LLOYD	34 Castle St., Liverpool. [Technical, Liverpool. 6080.]
	Professor Archibald, , D.Sc. (Member of il)	Westerton of Mugdock, Milngavie, Glasgow.
	LOUGH, Prof. SAMUEL	Royal Societies Club, 63 St. James's Street, S.W.

Date	of Election	an
and o	f Transfe	AT.
SATURE OF		

and of Transfer.		
1887.	BARRINGER, HERBERT	78 Gracechurch St., E.C.
1862.	BARROW, JOSEPH (Life Member)	Disley Mount, Carew Rd., Northwood, S.O., Middlesex.
1901. A.M.)	Dinner Torre	Messrs. Cadbury Brothers, Bourn-
1904. M.	Barrow, Louis	wille, Birmingham.
1912.	BARRY, DAVID	Purfleet House, Purfleet, Essex.
	BARRY, Sir JOHN WOLFE,	Dartmouth House, 2 Queen Anne's Gate, Westminster, S.W. [Con-
1871.	K.C.B., LL.D., F.R.S. (Member of Council)	silium, London. Westminster
1010		[248.]
1912.	BARSTOW, HENRY	604 Stretford Road, Manchester. (Middlesbrough, Kentucky, United
1883.	BARTLETT, JAMES HERBERT	States.
1897. G.)	D	(Messrs, S. Sykes & Co., Finsbury
1901. A.M.) 1910. M.	Bartley, Bryan Cole	Court, Finsbury Pavement, E.C.
1900. A.M.)	Prome Armerous Donorie	Lothondy Waibleous Danthahina
1904. M.	BARTY, ALEXANDER DOUGLAS	Lethendy, Meikleour, Perthshire.
1913.	Basagoiti, Walter Parke DE	Senior Govt. Inspector of Machy., Kuala Lumpur, Selangor, Feder-
1310.	Dabagotti, Walifut Laure Da	ated Malay States.
1899.	BASHFORTH, ANDREW	1231 Barnsley Road, Pitsmoor,
20001		(Masses Bulloch Bros & Co Pan
1911.	BATEMAN, HENRY HERBERT	Messrs. Bulloch Bros. & Co., Ran- goon, British Burma.
1896.	BATEMAN, JAMES THOMAS	34 Bridge Avenue, Hammer-
2000,	Daluman, Vanis Lieuws	(smith, W.
		Managing Director, Messrs. Hulse & Co., Ordsal Works, Regent Bridge,
1903. A.M.) 1906. M.)	BATES, HERBERT	Salford, Manchester; and 25
1300. 11.)		Eccles Old Rd., Pendleton, Man-
	D	Chester. (Victoria Iron Works, Denton,
1911.	BATES, WALTER JAMES	Manchester.
1913.	BATTEN, EDWARD	Beckenham Motor Garage Co., 103
	5 0 7	High St., Beckenham. (Clyde Navigation Trust, 16 Robert-
1904.	BAXTER, GEORGE HANDYSIDE	son St., Glasgow. (Copland Works, Govan, Glasgow.
		Copland Works, Govan, Glasgow.
1892.	BAXTER, PETER MACLEOD	[Calidad, Glasgow. Nat. Govan 36; Corpn. Govan 87; Private,
		Hillhead 628.]
1010	District D. Haway Admitted	Messrs. Norton Griffiths & Co. Ltd.
1912.	BAYFIELD, HENRY ARTHUR	(Canada), Harbour Works, St. John, N.B., Canada.
		(Res. Eng. and Manager, Liverpool
1899.	BAYLEY, GEORGE RIDLEY	
4000	D W	St., Liverpool, N. Ashlynne, Thompson Cross, Staly-
1903.	BAYLISS, WILLIAM	bridge.
1911. A.M.	BAYNES, FREDERICK WALTER	Messrs. Malcomess and Co., East
1913. M.	DAINES, PREDERICK WALTER	Mesers Grover & Co., Britannia
1899.	BEALE, BERTRAM ROBERT	Messrs. Grover & Co., Britannia Engineering Works, Carpenters
2000.		Road, Stratford, E.
1903. G.		Messrs. L. Sterne & Co., Crown
1906. A.M. 1912. M.		Iron Works, Glasgow.
Town, Mr.	,	

Date	0	f E	lec	tion
and	of	Tr	ans	fer.

The of Italibioi,	
1901. A.M. BEAR, MAURICE MAYHEW	Messrs. Babcock & Wilcox, Clive Buildings, Calcutta.
1898. BEARD, ARTHUR CHARLES	London County Council, Spring Gardens, S.W. Messrs. Beard, Huddart & Co., Vic-
1895. BEARD, BERNARD	toria Buildings, Stockton-on- Tees.
1887. {BEARDMORE, Sir WILLIAM, Bart	Parkhead Forge and Steel Works, Glasgow.
1903. A.M.) BEARE, HAROLD HARGREAVES	General Manager, Messrs. Wilson & Co., Welshmill Engineering Works, Frome.
1893. {Beare, Professor Thomas Hudson, F.R.S.E	The University, Edinburgh.
1891. {Beatty, Hazlitt Michael, C.M.G	Ex-Chief Loco. Supt., Govt. Rlys., Cape Town; and Rosclare Camp Ground, Rondebosch, Cape Town, Cape Colony.
1899. {Beaumont, Professor Roberts, M.Sc	The University, Leeds.
1880. BEAUMONT, WILLIAM WORBY	7 Outer Temple, 222 Strand, W.C. [Vibromotor, London. Gerrard 4160.]
1902. A.M. BEAVER, JOHN ROBERT	Post Box 1198, Valparaiso, Chile.
1908. BECHER, ROBERT ARNOLDS 1913. BECKER, CLARENCE	Lanauli, Bombay Presidency, India. Fieldhead, Myddleton, Ilkley.
1915. BEDFORD, WILLIAM HOWARD	Works Manager, Worsley Mesnes Iron Works, Wigan.
1882. Bedson, Joseph Phillips	137 Lapwing Lane, Didsbury, Man- chester.
1903. G. 1904. A.M. 1914. M. BEECHING, FRANK WILLIAM	Messrs. Kynoch, 90 William St., Melbourne, Victoria.
1900. A.M. BEGBIE, SYDNEY DAWSON	Aster Engineering Co., Wembley, S.O., Middlesex.
1901. BEHR, HANS CHARLES	Room 1320, 233 Broadway, New York, U.S.
1911. BEILKEN, BERNHARD JOHANN	Suptg. Eng., Norddeutscher Lloyd, New Praya 2, Hong Kong, China.
1908. BÉLIARD, HENRI JEAN PIERRE	Messrs. Béliard, Crighton & Co.,
1902. Bell, Arthur Morton	Antwerp, Belgium. Carr. and Wagon Supt., G.I.P.Rly., Bombay.
1900. A.M. BELL, CHARLES SEVER	5A New Burlington Street, W.
1901. A.M., 1906. M., BELL, JAMES ALEXANDER	Electrical and Tramway Eng., Corpn. Electricity Works, Mill- burn St., Aberdeen.
1907. Bell, John Ferguson	Engineer, Derby Gas Light and Coke Company, Friar Gate, Derby.
1897. BELLAMY, ALFRED ROWE	Messrs. Richard Hornsby and Sons, Grantham.
1914. A.M. Bellamy, Herbert Ernest	(Naval Civil Engineer, Dept. of the Navy, Navy Office, Melbourne, Victoria.

and or arampion.		
		(Messrs. Belliss & Morcom, Ledsam
		St., Birmingham [Belliss, Birm-
1897.	Belliss, John	ingham.]; and 13 Carpenter Rd.,
		Edgbaston, Birmingham.
		(Messrs. S. S. Stott & Co., Hasling-
1895.	Danier Correg	den, Manchester. [Elevator,
1030.	Benn, Sykes	Haslingden. 103.]
		Northey Road Works, Foleshill, Co-
1902.	BENNETT, ARTHUR EDWARD	Described Commenters 2911
1009 A 7/F A	,	ventry. [Profile, Coventry. 221.] (41 St. Mary's Mansions, Padding-
1903. A.M.)	BENNETT, FREDERICK WILLIAM	
1913. M.	,	ton, W.
1900. G.)	BENNETT, HENRY ARTHUR	(Prudential Bldgs., Mosley St.,
1903. A.M.	DILLON	Newcastle-on-Tyne.
1911. M.)		
1900.	Bennie, Peter	Agencia de Tharsis, Huelva, Spain.
1895. A.M.)		West Cliffe, Half Edge Lane, Eccles.
1899. M.		[66.]
1907.	BENSON, WILLIAM HAIGH	Renishaw Iron Works, Chesterfield.
4048		(Managing Engr., Messrs. Henry
1915.	BENTHAM, CECIL	Simon, 20 Mount Street, Man-
		chester.
1907.	BENTLEY, HARRY	Genl. Mgr., Messrs. John Musgrave &
	DENTLEY, HARRY	Sons, Globe Iron Works, Bolton.
1896. A.)		Royal Insurance Bldgs., Crossley St., Halifax; and Hyde Park,
1897. A.M.	BENTLEY, WALLACE	
1900. M.J		Halifax, [43.]
1903.	BENTON, WALFORD JOHN	27 Cardigan Road, Leeds.
1895.	BERCHEM, ALPHONSE HENRY	Worthington Pump Co., India
20001	EMANUEL	House, Kingsway, W.C.
1914.	BERRIDGE, HAROLD	Chief Engineer, Aden Port Trust,
2011.	DERRIDGE, HAROLD	Aden, Arabia.
1902. A.M.)	BERRINGTON, ERNEST EVANS	Prudential Chbrs., Lichfield St.,
1905. M.	WILLOUGHBY	Wolverhampton.
1905. A.M.)	BERRY, FREDERICK LAURENCE	c/o A. Taylor, 216 Abbeyfield Rd.,
1910. M.	DERRY, PREDERICK LIAURENCE	Pitsmoor, Sheffield.
1893.	Berry, Henry	Croydon Works, Leeds.
1903. A.M.)	Report Hannan	(Messrs. Bernays & Harfield, P.O.
1910. M.	Berry, Herbert	Box 528, Moscow, Russia.
1897.	PERMITTER CHARLES	12 Villenstrasse, Neudorf, Strass-
1001.	BERTHIEZ, CHARLES	burg, Alsace, Germany.
1891.	Busm Phasters Paul Pr	Sion Cottage, Riverside, Twicken-
1001.	BEST, FRANCIS EDWARD	ham.
1899.	BESWICK, FREDERICK ARROW-	M. S. U. Assoen., 9 Mount St.,
	BMITH	Manchester.
1906. A.M.)	BETTANY, JOHN THOMAS	Works Mgr., Messrs. Vickers Ltd.,
1910. M.		Crayford Wks., Crayford, Kent.
1893.	BETTS, SAMUEL	Danderyd, Sweden.
1899. A.M.)	BEVEN, ALFRED NUGERT	Messrs. the Soc. Com. Harrington
1901. M.	DEVEN, ALFRED NUGERT	Morrison and Co., Iquique, Chile.
1903.	BICKERTON, HENRY NIELD	Managing Director, National Gas
		Engine Co., Ashton-under-Lyne.
1902. A.M.)	70	(Assist. Loco. Supt., G.I.P. Rly.: c/o
1912. M.	BIGG-WITHER, LIONEL	Messrs. Grindlay, Groom & Co.,
,	D	Bombay. 106 Queen Victoria Street, E.C.
1898.	BILBIE, JOHN	
1005	D	Messrs. Henry Watson and Son,
1897.	BILLETOP, TORBEN CHRISTIAN	High Bridge Works, Newcastle-
		on-Tyne.

The standards of the st	
1909. Billington, John Robert	Gas Manager, Lancs. and Yorks. Rly., Horwich, Lancs.
1909, A.M. 1914, M. BILLINTON, LAWSON B	Loco. Engineer, L. B. & S. C. Rly., Brighton.
1904. A.M. 1909. M. BING, HERBERT	"F" Floor, Milburn House, Dean St., Newcastle-on-Tyne.
1911. BINGHAM, HENRY CHARLES	Messrs. Huntington, Heberlein &
1887. (BINNIE, Sir ALEXANDER	Co., 7 Gracechurch Street, E.C. St. Stephen's House, Victoria Em-
1902. A.M.) BINNS, ASA	bankment, Westminster, S.W. Little Heath, Old Charlton,
1903. A M)	Kent. Genl. Mgr., Para Electric Rly. and
1906. M. S BINNS, WALTER	Lighting Co., Caixa 29, Para, Brazil.
1880. G.) BIRKETT, HERBERT	62 Brondesbury Villas, Kilburn, N.W.
1912. Birks, Lawrence	Public Works Department, Christ- church, New Zealand.
1908. BISHOP, WILLIAM GEORGE	Acting Supt. (Mech.), Assist. Gen'l. Manager's Office, S. African Rlys., Bloemfontein, O.R.C.
1914. BISSELL, EDWIN ERNEST	Messrs. Tangyes, Cornwall Works, Soho, Birmingham.
1903. Björnstad, Jörgen	Pulsometer Engineering Co., Nine Elms Iron Works, Reading.
1912. Black, George James Forbes	Messrs. Thornewill and Warham, Burton-on-Trent.
1896. Black, Peter Blair	Burrow Hill Silica Co., 53 New Broad St., E.C.
1908. A.M. BLACKBURN, ALBERT ARTHUR	Car Works Dept., City Tramways, Sandy Row, Belfast.
1890. Blackburn, John	Resident Eng., Colne Valley Water Works, Bushey, Watford.
1904. Blackith, Frederick	Imperial Chbrs., Bowlalley Lane, Hull.
1907. {Blackman, Alfred Suther-	Boro' Electrical Eng., Electricity Offices, Dunning St., Sunderland.
1898. {Blackstone, Edward Christopher	Managing Director, Rutland Engineering Works, Stamford. [Blackstones, Stamford.]
1902. A.M.) BLAGDEN, HENRY ROBERT	Manager, Alexandria Water Co., Alexandria, Egypt.
1913. BORCHERDS WILLIAM	Loco. and Carr. Supt., Bhavnagar State Rly., Kathiawar, India.
1908. BLAIR, DAVID KER	Nathan's Buildings, 9 Grey St., Wellington, New Zealand.
1905. A.M.) BLAKE, ANDREW WILLIAM	Electricity Offices, Salusbury Rd., Kilburn, N.W.
1901. BLAKE, MATTHEW	Victoria Works, Greenock. [Filter, Greenock. 130.]
1011 Prim Promis	c/o the Consulting Eng., Bengal- Nagpur Rly., Dartmouth House,
1911. BLAKE, RUSTAT	2 Queen Anne's Gate, West- minster, S.W.
1907. BLAKEY, CHARLES	Managing Director, Messrs, M. Helfferich-Sadet, Charkov, South Russia.

Date	of	Election
and	of ?	Transfer.

and of Halister.	
1905. Blakey, Robert Cope	Messrs. Clayton and Shuttleworth, III/2 Löwengasse 34, Vienna, Austria.
1901. Bland, Frederick	Manager, Yorks. Steel and Engineering Works, Sheffield; and 6 Kenbourne Rd., Sheffield.
1906. Bland, John Parkinson	Chief Eng., "The Times," 2 Printing House Square, E.C.
1898. BLANE, WILLIAM	Thruxton, Andover.
1895. A.M.) BLAXTER, AUGUSTUS PEARCE, Jun	Messrs. Barnett and Foster, Niagara Works, Eagle Wharf Rd., New North Rd., N.
1892. Blechynden, John	Brougham St., Nelson, N.Z. (Bewsey Iron Works, Warring-
1867. Bleckly, John James	ton; and Daresbury Lodge, Altrincham.
1910. {Bluck, Montague Thomas Nelmes	Kamunting House, Sandy Bay, Hobart, Tasmania.
1882. G.) BLUNDSTONE, SAMUEL RICH-	15 Farringdon Avenue, E.C.
1885. M. ARDSON	Messrs. Delmege, Forsyth and Co.,
	Colombo, Ceylon. Colombo, Ceylon.
1902. BOARDMAN, JAMES	Dept., Moscow, Russia.
1894. M., Doogossi, Hamil Charles	4 Kimbolton Avenue, Bedford.
1907. A.M. 1915. M. BONAB, JOHN	Supt. Eng., Water Works, Allaha- bad, India.
1913. Bond, Frederick Arthur	118 Nightingale Lane, Wandsworth Common, S.W.
1895. Bond, George Creswell	Aspley House, Nottingham. [Bonds, Nottingham. 441.]
1901. A.M. 1910. M. BOND, JOHN THOMAS	National Boiler & General Insur- ance Co., 22 St. Ann's Sq., Man- chester.
1884. Bone, William Lockhart	Works of the Ant and Bee, West Gorton, Manchester.
1902. {Bonell, Thomas Henry Mahadoo	Loco. Carr. and Wagon Supt., Government Rlys., Lagos, W. Africa.
1901. A.M.) BONNIWELL, PERCIVAL OR-	Chief Eng., United Legal Indemnity Insurance Society, 222–225
1904. M. MOND	Strand, W.C. (Messrs. S. Pearson & Son, Royal
1907. A.M. 1913. M. Bonstow, Thomas Lacey	Albert Dock Extension, N. Wool- wich, E.
1906. A.M. Boot, Horace Louis Petit	Westminster Chbrs., 7 Victoria St., Westminster, S.W. [Gerrard 2438.]
1901. A.M. BOOT, JAMES NOEL	Worthington Pump Co., India House, Kingsway, W.C.
1890. Воотн, Robert	110 Cannon Street, E.C. [Crocus, London. Central 1477.]
1909. {Bornemann, Johann August Diederich	Managing Director, Messrs. Ruston, Proctor & Co., Sheaf Iron Works, Lincoln.
1908. A.M. BORNER, OTTO LEO	The Inch, Grosvenor Rd., Muswell Hill, N.

and of 1	Talistot.	
		(Messrs. Galloways, Knott Mill
1891.	Boswell, Samuel	Iron Works, Manchester; and 82 Albert Grove, Longsight,
		Manchester.
1899.	BOTTOMLEY, JOHN WILLIAM	Messrs. T. C. Fawcett & Co., White House Engineering Works, Leeds.
1886.	(Boult, Alfred Julius (Life Member)	[111 & 112 Hatton Garden, E.C. [Boult, London. Holborn 6464.]
1914.	BOUND, ARTHUR FRANK	Signal Supt., G. C. Rly., Guide Bridge Station, Manchester.
1878.	Bourdon, François Edouard	74 Faubourg du Temple, Paris.
1891.	Bousfield, John Ebenezer	15 South Street, Finsbury, E.C. [Invention, London. Central
1880.	Bow, William	Thistle Engine Works, Paisley. [Bow, Paisley.]
1000	(Bowden, George Robert	Hazeldene, St. Albans. [London
1908.	HARLAND	Wall 6848.7
1903. 1914.	A.M. BOWDEN, JOHN	Ministry of Munitions, 70 Spring Gardens, Manchester.
1910.	Bowden, John Horace	101 Eltham Road, Lee, S.E.
1914.	BOWDEN - SMITH, EDWARD	Main Drainage Dept., Ministry of
	(CYRIL	Public Works, Cairo, Egypt. Corn Exchange Bldgs., Cathedral
1903.	Bower, William Nelson	St., Manchester.
1892.	BOWKER, ARTHUR F	Whitehill, Wrotham, Kent. [Bow-
		ker, Wrotham.] [Messrs. Stevenson and Co., Canal
1899.	BOWMAN, HAROLD	{ Foundry, Preston. [Stevenson,
4000		[Preston.] (Messrs. Merryweather & Sons,
1903. 1908.	A.M. Bown, Charles Henry	Greenwich, S.E.; and 4 Thorns-
2000,	224)	beach Rd., Catford, S.E.
1890.	BOYD, JOHN WHITE	Royal Insurance Bldgs., 7 Royal Bank Place, Glasgow. [Silent,
	,	Glasgow.]
1907.	BOYLE, ALEXANDER	Engineer Surveyor - in - Chief, Marine Dept., Board of Trade,
200,1	and a second sec	54 Victoria St., S.W.
1907.	(BRACKENBURY, HEREWARD	Sir W. G. Armstrong, Whitworth & Co., Elswick Works, New-
1001.	l IRENIUS	castle-on-Tyne.
1899.	G.)	179 Davies Street, Berkeley Square,
1907.		W.
1914.	M.)	
1898. 1903.	M. BRADLEY, GODFREY THOMAS	Irrigation Department, Ceylon.
1896.	Bradney, Walter	53 Gracechurch St., E.C.
	BRADSHAW, GEORGE THEO-	(Loco. and Resident Eng., Bally-
1897.	BALD MATHEW	castle Rly., Ballymoney, Ireland.
1912.	A.M.) Bradshaw, Stanley	Haywood House, West Parade.
1916.	M.)	Lincoln.
1907.		140 Wellington St. East, Higher
1915.	M. S BRADI, Hood Woodland	Broughton, Manchester.
1911.	Braime, Thomas Fletcher	Woodville, 194 Chapeltown Road, Leeds.
1878.	BRAITHWAITE, CHARLES C	Finsbury Pavement House, E.C.
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and of Transfer.	
1906. Bramley, Tom Bryan	Genl. Manager, Challenge Cycle Co., Coventry.
1912. BRAMWELL, BALFOUR	39 Chichester St., Belfast.
1910. A.M.) BRAYFIELD, THOMAS HENRY 1912. M.) GORDON	71 Duke's Avenue, Muswell Hill, N.
1000 A.M.)	2 Mulberry St., Hulme, Man-
1913. M.) Brayshaw, Edmund Russell	chester. [Hardening, Manchester. Central 8876.]
1906. A.M. BRAYSHAW, SHIPLEY NEAVE	2 Mulberry St., Hulme, Manchester. [Hardening, Manchester. Central 8876.]
1900. BREARLEY, FREDERICK THOMAS	Brook Rd., Lymm, Warrington.
1906. Brearley, William Henry	Works Manager, Messrs. W. T. Beesley & Co., Universal Steel Works, Attercliffe Rd., Sheffield.
1910. Brecknell, Henry	330 Fishponds Rd., Bristol.
1900. BREMNER, DAVID ALEXANDER	Hydraulic Power & Smelting Co., 18 St. Swithin's Lane, E.C.
1898. G.)	·
1901. A.M. Bressey, Cyril Edward 1913. M.	Nigerian Rly., Ebute-Metta, Lagos, S. Nigeria.
1909. Brew, Joseph Beaumont	Works Manager, Messrs. Fawcett, Preston & Co., Phœnix Foundry, 17 York St., Liverpool.
1902. A.M. 1907. M. BREWER, EDWARD GODFREY	13 Udney Park, Teddington.
1891. {Brewster, Edwin Henry George	15 Lyndhurst Rd., Camberwell, S.E. [Deptford 1174.]
1905. BRIDGES, WALTER	3 Salters' Hall Ct., Cannon St., E.C.
1887. BRIER, HENRY	[Alkot, London. Bank 5702.] [Messrs. Seagers Ltd., Dartford; and 1 Miskin Rd., Dartford.
1901. A.M.) BRIGGS, ERNEST REYNOLDS	Messrs. Willans & Robinson, Vic-
1898 A M)	toria Works, Rugby. P.O. Box 3897, Johannesburg,
1902. M. BRIGGS, HERBERT	Transvaal.
1881. {BRIGGS, JOHN HENRY (Life) Member)	Howden.
1894. G.)	(Messrs. Crompton & Co., Arc
1900. A.M. BRITTEN, THOMAS	Works, Chelmsford. (Gas Meter Co., 288 Kingsland Rd.,
1913. Britton, John William	N.E.
1908. A.M.) BRITTON, SYDNEY ERNEST	Crane St., Chester.
1913. Broadbent, Ernest Edgar	Rydal Mount, Hunter's Hill, Sydney, N.S.W.
1891. Broadbent, William	[Broadbent, Huddersfield. 102.]
1914. Broadhead, John Wilson	Managing Director, Messrs. Robert Dempster & Sons, Rose Mount Iron Works, Elland, Yorks.
1905. BRODIE, GEORGE WALLACE	Royal Arsenal, Woolwich.
1890. Brodie, John Alexander	City Eng., Municipal Bldgs., Liver-
1897. BRODRICK, WILLIAM HOLBORN	Belvedere, 115 Prince's Ave., Hull.
1892. BROMILEY, WILLIAM J	Beech Hurst, Chorley New Rd., Bolton.

Date of Election and of Transfer.		
1892. G. 1893. A.M. 1896. M.	Bromly, Alfred Hammond	(Donaon.]
1892.	Brooke, John Walter	{Adrian Iron Works, Lowestoft. [Brooke, Lowestoft.]
1906. A.M.) 1910. M.)		Adrian Iron Works, Lowestoft.
1892.	Brooke, Robert Grundy	Sirius Works, West Gorton, Man- chester. [Influx, Manchester.]
1897.	(Brooks, Samuel Herbert (Life Member)	Slade House, Levenshulme, Man- chester.
1880.	BROPHY, MICHAEL MARY	48 Approach Road, Margate.
1901. A.M.) 1905. M.)	BROTHERHOOD, STANLEY	Messrs. Peter Brotherhood, Peter- borough. [Brotherhood, Peter- boro'.]
1890. G.) 1905. M.)	BROUSSON, ROBERT PERCY	347 Parliament Street, Westminster, S.W.
1909. A.M.) 1915. M.)	Brown, Alfred William	Textile Bldgs., Belfast. [3109.]
1886. G. 1889. M.	Brown, Andrew	118 Cannon St., E.C.; and East Dene, Landsdowne Rd., Bromley, Kent. [Browpost, Cannon,
1891.	Brown, Arthur Mogg	Wayside, The Park, Yeovil.
1907. A.M.) 1911. M.)	BROWN, EDWARD GEORGE	(21 Villa Road, Handsworth, Birmingham.
1906.	Brown, LtColonel Frank,	Tynemouth Castle, Tynemouth, North Shields.
1889. G.) 1889. M.)	Brown, Captain Frederick ALEXANDER WILLIAM, A.O.D.	70 Bushwood Road, Kew, Surrey.
1914.	BROWN, Eng. LieutCommr. HAROLD ARTHUR, R.N	The Admiralty, Whitehall, S.W.
1902.	Brown, Henry	(Red House, 29 Parkside, Wimbledon, S.W.
1892.	Brown, J. Fiddes	Casa Quinta, 59 Lexham Gardens, Kensington, W. [Orbit, London. Western 6140.]
1914.	Brown, Reginald	21 Old Queen St., Westminster, S.W. Messrs. Barrow, Brown & Co.,
1909.	Brown, Robert Henry	Bangkok, Siam.
1888.	Brown, William	Messrs. W. Simons & Co., London Works, Renfrew; and Kilrene, 7 Whittingehame Gdns., Great Western Rd., Glasgow.
1892.	Brown, William	(150 Shooters Hill Rd., Blackheath, S.E.
		Chairman, Messrs. R. & W. Haw- thorn, Leslie & Co., Forth Banks
1902.	BROWNE, Sir BENJAMIN CHAP- MAN, D.C.L	Works, Newcastle-on-Tyne. [Locomotive, Newcastle-on-Tyne.]
1902 A.M.)	Browne, Benjamin Chapman	[Former Member 1869–1884.] (Messrs. R. & W. Hawthorn,
1903. M.		Leslie & Co., St. Peter's Works, Newcastle-on-Tyne.
1905.	Browne, Robert Jamieson	(c/o Messrs. Grindlay & Co., 11 Hastings St., Calcutta.
1909.	Browne, Sydney Ogilvie	Loco. Supt., Great Southern of Spain Rly., Aguilas, Spain.

20	MEMBERS.	1916.
Date of Election and of Transfer.		
1907. A.M. 1909. M.	Browne, Tom Bousquet (Life Member)	Wales.
1874. G.) 1879. M.	Browne, Tomyns Reginald	Oriental Club, Hanover Square, W.
1902. A.M.) 1908. M.)	Browne, William Ruddle	Chisledon Cottage, Chisledon, Swindon.
1903. A.M.) 1909. M.)	Brownjohn, William Henry	(Canyngton, Station Road, Hendon, N.W.
1889.	BRUCE, ROBERT	St. Ninians, Oakleigh Rd., Hatch End, S.O., Middlesex.
1893. G. 1895. A.M. 1903. M.	BRUCE, ROBERT ARTHUR, M.Sc.	Westlands Aircraft Works, Yeovil.
1909.	Brundrit, Joseph	6 Oriel Chbrs., Water St., Liverpool.
1887.	Brunton, Philip George	Assist. Eng., Public Works Dept., Sydney, N.S.W.
1904. A.M.) 1908. M.)	BRYAN, BERNARD WILLIAM	Chief Eng., South Essex Water Works, Romford.
1909.	BRYCE, WILLIAM EDWARD	6 Parkdale, Wolverhampton.
1902.	Bryson, James	General Manager, Pumpherston Oil Works, Mid-Calder. (Caledonia Foundry and Engine
1899.	BUCHANAN, JAMES	Works, Brasenose Road, Liver-
		pool. [Buchanan, Liverpool. Bootle 132.]
1901. A.M.) 1912. M.)	Buchanan, William Ernest	Water and Drainage Works Eng., Simla, Punjab.
1904. A.M.) 1910. M.)	BUCK, EDWARD CLARKE	Director of Public Works, Georgetown, Demerara, British Guiana,
1912.	Buck, George Frederick	Field House, Marple, Stockport. (Messrs. Vickers Ltd., Vickers
1901.	Buckham, George Thomas	House, Broadway, Westminster, S.W.
1892.	Buckley, John T	36 Cleveland Rd., Lytham, R.S.O., Lanes.
1912.	BUCKLEY, SAMUEL	Admiral Steel Works, Hillsborough, Sheffield.
1902. A.M.) 1910. M.)	BUCKTON, WILLIAM WOODYER	Puckshott, Rockfield Road, Limpsfield.
1896.	BUCKWELL, GEORGE WILLIAM	Board of Trade Surveyors' Office, 73 Robertson St., Glasgow.
1878. G.) 1885. M.)	BUDDICOM, HARBY WILLIAM	Penbedw, Nannerch, Mold.
1886. G. 1894. M.	BUDENBERG, CHRISTIAN FREDERICK	Messrs. Schäffer and Budenberg, Whitworth St., London Rd., Manchester; and Somerville, Ark- wright Rd., Marple, Stockport. [Manometer, Manchester. 899.]
1882.	BUDGE, ENRIQUE	[104 Avenue Kléber, Paris. [Ebudge, Paris.]
1898. A.M.) 1906. M.)	Bulfin, Ignatius	Boro' Electrical Eng., Generating Station, Southcote Rd., Bourne- mouth.
1897. G.) 1901. A.M.) 1915. M.)	BULLOCK, RICHARD CECIL	4 Northumberland Bldgs., Bath.

		(Works Manager, Messrs. Singer &
1907.	Bullock, William Edward	Co., Coventry.
1892. G.) 1897. A.M. 1901. M.	HADT.W	{61 Cadder Street, Pollokshields, Glasgow.
1891.	Bumsted, Francis Dixon	Cannock Chase Foundry and Engine Works, Hednesford, Stafford,
1884.	Bunt, Thomas (Life Member)	Leehurst, Melville Rd., Falmouth. [Buntera, Falmouth. 147.] [M. S. U. Assoen., 9 Mount St.,
1899.	BURCHAM, RICHARD EDWARD	Manchester; and Richmond Ter., Vine St., Openshaw, Manchester.
1885.	BURDER, WALTER CHAPMAN	Messrs. Messenger & Co., Lough- borough.
1902. A.M.) 1906. M.)		11 Waterloo Place, Pall Mall, S.W.
1906. A.M.) 1911. M.)		14 Victoria Buildings, 5A Temple Row, Birmingham.
1906.	BURN, ARTHUR JAMES HORS-	Managing Director, Waddle Patent Fan and Engineering Co., Ltd., Llanmore Iron Works, Llanelly.
1908.	BURNET, CHARLES DOUGLAS	Tudor Accumulator Co., Rail Welding Dept., 3 Central Bldgs., Westminster, S.W.
1904. A.M.) 1911. M.)	BURNETT, WILLIAM RATTERY .	Messrs. C. A. Hutson & Co., Ceylon Engineering Works, Colombo, Ceylon.
1910. A.M.) 1913. M.)	BURNS, JAMES ALEXANDER	Worthington Pump Co., Lion Buildings, 170 Hope Street, Glasgow.
1878.	BURRELL, CHARLES	St. Nicholas Works, Thetford. [Burrell, Thetford.]
1904. A.M.) 1911. M.)	Burrows, George Henry	G.W. Rly. Works, Swindon.
1896.	BURSTALL, Professor FRED-	The University, Edgbaston, Birmingham.
1890.	Burstall, Henry Robert John	14 Old Queen St., Westminster, S.W. [Instructed, London. West- minster 771.]
1898.	BURT, GEORGE (Life Member)	Messrs. John Mowlem and Co., 19 Grosvenor Rd., S.W.
1908. A.M. 1915. M.	BURT, LESLIE NEWMAN	7 Outer Temple, 222 Strand, W.C.
1912.	Burton, Thomas Bowman	Managing Director, Messrs. H. W. Kearns & Co., Broadheath, Manchester.
1906. A.M. 1912. M.	BURY, RONALD EDWARD	Loco. & Carr. Supt., Mysore State Rlys., Bangalore, India.
1884.	BUTCHER, JOSEPH JOHN	59 Pearl St., South Framingham, Mass., U.S.
1896, A.M. 1902, M.		Leiston Villa, Western Road, East Finchley, N.
1882.	BUTLER, EDMUND	{Kirkstall Forge, near Leeds. [Forge, Kirkstall.]
1902.	BUTLER, EDWARD	129 Gleneldon Rd., Streatham, S.W.
1884. G. 1892. M.		[Kirkstall Forge, near Leeds. [Forge, Kirkstall.]
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and of Figure	•	
1891.	BUTLER, JAMES	·· {Victoria Iron Works, Halifax; and Longfield, Halifax.
1902.	Butler, Josiah	Groves End Steel and Tin Plate Co., Gorseinon, Glam. Lessenden, Budleigh Salterton, Devonshire.
1910.	BUTTERS, HOWARD	{Lessenden, Budleigh Salterton, Devonshire.
1894.	Butterworth, Joseph	Messrs. Lancaster and Tonge, Pen- dleton, Manchester; and Sunny Lawn, Manchester Rd., Swin- ton. Manchester.
1907.	BUTTLE, DAVID CARLETON	Nitrate Railways Co., Iquique, Chile.

1886. 1891.	G. CAIRNES, FREDERICK EVELYN	Killester House, Raheny, S.O., Co. Dublin.
1915.	CALDER, WILLIAM	Manager, Village Main Reef Gold Mining Co., Johannesburg,
20200	,	Transvaal.
1900.	CALTHROP, EVERARD RICHARD	Eldon Street House, Eldon St., E.C. [Raillerais, London.]
1906. 1915.	A.M. CALVERT, EDWARD	Chief Electrical Eng., Electricity Works, Finchley, N.
1912.	CALVERT, ROBERT	Hydraulic Engineering Co., 9 Bridge St., Westminster, S.W.
1886.	CAMBRIDGE, HENRY	Stuart Chambers, Mount Stuart Sq., Cardiff.
1911.	CAMEBON, ARCHIBALD PRESTON	10 Clive Street, Calcutta, India.
		(Gen'l. Manager, Yomah Oil Co., 71
1913.	CAMERON, HUGH PORTEOUS	Phayre St., Rangoon, Burma.
1898.	CAMERON, JOHN	1 Out alle
1903.	CAMPBELL, ALEXANDER	Works Mgr., Hunslet Engine Works, Leeds. [Engine, Leeds. 528.]
1877.	CAMPBELL, ANGUS	Logie, Mussoorie, United Provinces, India.
1898.	CAMPBELL, HUGH	Campbell Gas Engine Co., Kingston, Halifax. [Camgas, Halifax. 92.]
1882.	CAMPBELL, JOHN	Messrs. R. W. Deacon & Co., Kalimaas Wks., Soerabaya, Java.
1899.	CAMPBELL, ROBERT MALCOLM	19 Klea Avenue, Clapham Common, S.W.
1892.	CAMPBELL, WILLIAM WALKER	82 Gordon St., Glasgow. [Suiker-werk, Glasgow.]
1903.	CAMPS, HAROLD EDWARD JOS-	21 Great St. Helens, E.C. [Adiabatic, London. Avenue 4487.]
1910.	CANTRILL, WILLIAM LEWIS {	Haslam Foundry and Engineering Co., Union Foundry, Derby.
1885.	CAPITO, CHARLES ALFRED ADOLPH	21 Raphael Street, Knightsbridge, S.W.
	,	

and of Frans	Her.	
1913.	Capon, Clement Bernard	Rosslynn, Rawmarsh Hill, Parkgate, Rotherham.
1892.	{Capper, Professor David Sing	King's College, Strand, W.C.; and 17 Victoria St., Westminster, S.W. [Westminster 5255.]
1898.	CAPRON, ATHOL JOHN	Westlowe, Hathersage, Sheffield.
1878.	{CARDEW, LtColonel COR- NELIUS EDWARD	Wadebridge, Cornwall.
1875.	Cardozo, Francisco Corrêa de Mesquita (Life Member)	Messrs. Cardozo and Irmão, Per- nambuco Engine Works, Per- nambuco, Brazil. (Messrs. W. H. Allen, Son & Co.,
1914.	CARMICHAEL, ARCHIBALD	Queen's Engineering Works, Bedford.
1892.	CARNEGIE, DAVID, F.R.S.E	171 Eglinton Road, Plumstead, S.E.
1901. A.I		Royal Small Arms Factory, Enfield
1905. I 1901. A.I	M)	Lock, Middlesex. (213 Abbeyfield Rd., Pitsmoor,
1905.	M.) CARNEGIE, WILLIAM	Sheffield.
1896. A.I 1904. I	M. CAROLIN, EDWARD MARLAY	Eastwood, 17 Moorville Grove, Beeston Hill, Leeds.
	(CARPENTER, CHARLES CLAUDE,	Chairman, S. Metropolitan Gas
1902.	{ D.Sc	Co., 709 Old Kent Rd., S.E. [Metrogas, London.]
1914.	CARPMAEL, RAYMOND	Engineer's Office, G. W. Railway, School Gardens, Shrewsbury,
1905.	CARR, ANDREW CUSTANCE	Chief Mech. Eng., Bengal Nagpur Railway, Khargpur, Bengal.
1895.	CARR, ROBERT ALFRED	Broad Street House, New Broad St., E.C.
1903.	CARR, WILSON STORY	14 Percy Gardens, Tynemouth, Northumberland.
1906. A.I 1911.	M. CARRINGTON, GEORGE	Genl. Manager, Messrs. J. & C. Holcroft Ltd., Tipton. [Holcroft, Tipton. 25.]
1903.	CARRUTHERS, ROBERT	Chief Supt. Eng., Bombay and Persia Steam Navigation Co., Bombay.
1910. A.1 1915.	M.) Carson, James	Managing Director, Messrs. James Carson & Co., Fawley Road, Tottenham Hale, Tottenham, N.
1912.	Carter, George John	Managing Director, Messrs. Cam- mell, Laird & Co., Birkenhead.
1908. A.I		Supt., Water Works, Aish Bagh,
1914.	M. S CARLER, HAROLD THOMAS	Lucknow, India. (Messrs. Grothe & Carter, 2A San
1885.	CARTER, HERBERT FULLER	Agustin No. 53, Apartado 2554, Mexico City, Mexico. [Grocart, Mexico.]
1907.	CARTWRIGHT, CECIL LEONARD	Professor, Engineering College, Madras, India.
1900. A. 1907.		Glen Rosa, 1 Dingwall Gardens, Golders Green, N.W.
1912.	CASPERSEN, HANS EINAR	Besigtelses Kontoret, Holbergsgade
1888.	CASTLE, FRANK	20, Copenhagen, Denmark. Sunnyside, Edwin Road, Hastings.
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Date	of of	Election
and	of ?	Transfer.

1912.	CATTO, JOHN	4 Mosley St., Newcastle-on-Tyne.
	CAUSER, WILLIAM GEORGE	Brighton Villa, Handsworth, R.O.,
1892.	CAUSER, WILLIAM GROUGE	Birmingham.
1000	G George	82 Victoria St., Westminster, S.W.
1883.	CAWLEY, GEORGE	[Conferring, London. Victoria 26.]
		(1207 Union Trust Building, Los
1894.	CHAFFEY, GEORGE	Angeles, Cal., U.S.
		(Derwent Foundry, 60 and 62 Con-
1876.	CHALLEN, STEPHEN WILLIAM	stitution Hill, Birmingham.
		[Derwent, Birmingham.]
1889.	G. Challen, Walter Bernard	Derwent Foundry, 60 and 62 Con-
1897.	M.) CHADIER, WALLER	stitution Hill, Birmingham.
1000	Course Cuopar	St. John del Rey Mining Co., Finsbury House, Blomfield St.,
1892.	CHALMERS, GEORGE	E.C.
1902	A.M.) CHALMERS JAMES	Eng., Companhia do Beberibe, Per-
1907.	M. CHALMERS, JAMES	nambuco, Brazil.
		(18 Hemingford Road, Barnsbury,
1886.	CHALMERS, JOHN REID	N.
		(133 Embleton Rd., Lewisham,
1901.	CHAMBERLAIN, JOHN	S.E. [Former Member 1884-
		(1894.]
1897.	CHAMBERS, EDWARD JOHN	Fairfield, Sutton Coldfield, Bir-
20011	,	\ mingham. \ Chambers Motors Ltd., University
1896.	CHAMBERS, ROBERT MARTIN	St. Works, Belfast.
		(Messrs, Gjers, Mills & Co., Ayre-
1900.	CHAMBERS, THOMAS HALL	some Iron Works, Middles-
	WINSLEY	brough.
		Genl. Manager, South Wales Elec-
1906.	CHAMEN, WILLIAM ASHCOMBE	trical Power Distribution Co.,
1300.	Chambri, 112222	Royal Chambers, Queen Street,
*000	Courses Nour	Cardiff. Stafford Rd., Cannock, Staffs.
1890.	CHANDLER, NOEL	(The Lodge, Kingston Rd., Ted-
1898.	CHAPMAN, LEONARD	dington.
4000	C	6 Clegg St., Oldham. [Charles-
1893.	CHARLESWORTH, SHEARD	worth, Engineers, Oldham. 63.]
1885.	(CHARNOCK, Professor GEORGE)	Technical College, Bradford.
2000,	FREDERICK	
1890.	CHATER, JOHN RICHARD	Messrs. Cheshire, Pooley and Co., 25 Bath Street, Liverpool.
1885.		(Brooklyn, Wootton Bridge, Isle of
1889.	G. CHATFEILD CLARKE, LESLIE	Wight.
		Director of Industries and Com-
1891.	CHATTERTON, ALFRED, C.I.E.	merce in Mysore; Ringwood,
		High Ground, Bangalore, India.
1887.	CHATWIN, JAMES	Victoria Works, Great Tindal St.,
		Ladywood, Birmingham.
1906. 1910.	M. CHEW, LEUIG	Messrs. H. J. West & Co. (1908), 74 Gray's Inn Road, W.C.
		Messrs. Thomas Bolton & Sons,
1906.	CHILD, GEORGE THOMAS	Oakamoor, Stoke-on-Trent.
1903.	CHILD, HARRY SHAW	c/o J. O. Child, Milchett Place,
2000;	omin' mani ona	Mountnessing, Brentwood.
1897.	CHILDE, HENRY SLADE	Messrs. Childe and Rowand, Wake-
		field, [Childe, Wakefield. 33.]

Date	of	E	ecti	on
and	of '	Γrε	nsf	er.

-	(Eng. and Manager, Airdrie, Coat-
1908. A.M.) CHISHOLM, JOHN	bridge and District Water Trust,
1915. M.) Chisholm, sonk	Water Trust Bldgs., Airdrie.
1906. CHIVERS, SAMBURN	(Manager, Western Wagon and
	Property Co., East Moors, Cardiff.
1903. CHORLTON, ALAN ERNEST	
(LEOFRIC	Sheaf Iron Works, Lincoln.
1903. A.M. CHRISTIANSEN, ALBERT GEORGE	Manager, Messrs. Garlick & Co., Jacob's Circle, Bombay.
1899. CHRISTIE, ANDREW	93 Pitt Street, Sydney, N.S.W.
2000.	(Manager, Linde British Refrigera-
1912. CHRISTIE, JOHN MURRAY	tion Co., 138 Balliaghatta Rd.,
	Calcutta, India.
1894. CHURCHWARD, GEORGE JACK-	Loco. Supt., G.W. Rly., Swindon.
(SON	Chief Eng., Messrs. Willey & Co.,
1905. A.M. 1911. M. CLAPHAM, FREDERICK THOMAS	Exeter.
(CLAPEMONT EDNUST ALTY	
1896. ANDER	ford.
1903. CLARK, EDWIN KITSON	Airedale Foundry, Leeds.
1896. CLARK, GEORGE	Messrs. Richardsons Westgarth
1890. CLARK, GEORGE	and Co., Hartlepool.
1899. A.M. CLARK, GEORGE	Bryan Donkin Co., Chesterfield; and The Cedars, Newbold Road,
1900. M.) CLARK, GEORGE	Chesterfield. [386.]
1004	(Southwick Engine Works, nr. Sun-
1904. CLARK, HENRY	derland. [Clark, Sunderland.]
1912. (CLARK, Major ROBERT LEAVER	
D.S.O	Malta.
1889. CLARK, THOMAS ALEXANDER	Supt. of Workshops, George
	Heriot's School, Edinburgh.
1896. CLARK, THOMAS FORSTER	Chief Eng., Hammersmith Dis- tillery Co., Hammersmith, W.
	(Loco. Supt., Benguella Railway,
1915. CLARK, WILLIAM DORES	Lobito Bay, Angola, Portuguese
	S.W. Africa.
1906. CLARK, WILLIAM FREDERICE	Managing Director, Messrs. James
1910. A.M.) CLARKE ASHBORD VINCENT	Archdale & Co., Birmingham. (Messrs. Petters, Nautilus Works,
1913. M. CLARKE, ASHFORD VINCENT	Yeovil.
1908 AM) -	Harbour and Dock Engineer,
1914. M. CLARKE, GEORGE EDGAR	Municipal Bldgs., Boston.
1901. CLARKE, GEORGE GRANVILLE	Tata Hydro-Electric Power Supply
	Co., Khopoli, Bombay.
1913. CLARKE, JAMES CARVER	10 Church Street, West Hartle-
1011 CLARKE TOSERY	(Pacific Phosphate Co., 465 Collins
1911. CLARKE, JOSEPH	1 St Molhourna Victoria
1895. G.)	(Dist Electrical Eng. C.C. Dist
1900. A.M. CLARKE, LEIGH THEOPHILUS	Leicester.
1908. M.)	(Gorgie Mains House, Slateford Rd.,
1894. CLARKSON, CHARLES	Edinburgh.
1909 CLARKSON TAKES	Messrs. J. & P. Coats, 89 Welling-
1898. CLARKSON, JAMES	ton St., Glasgow.
1001 :	Moulsham Works, Chelmsford; and
1891. CLARKSON, THOMAS	Woodlands, Galleywood, Chelms-
	ford.

	1892.	CLAY, CHARLES BUTLER		Hurst, Sundridge Avenue, Bromley, Kent.
	1901. 1905.	CLAYTON, JAMES CLAYTON, JAMES ADOLPHUS	••	12 Middleborough Rd., Coventry. Ajmer, Rajputana, India.
	1898. A.M.)			
	1905. M.	WYLD		(Sheffield Testing Works, Blonk St.,
	1890.	CLELAND, WILLIAM	••	Sheffield.
	1903. A.M.) 1906. M.)	CLEMENCE, WALTER		14 Beckenham Grove, Shortlands, Bromley, Kent.
	1910. A.M.) 1913. M.)	CLEMENTS, FRED	••	The Quintas, Spital, Chesterfield.
ĦL	1908.	CLERK, DUGALD, D.S. F.R.S. (Member of Council	c.,	57 and 58 Lincoln's Inn Fields, W.C.
	1897.	CLIFFORD, CHARLES	••	(98A Marlboro' Rd., Donnybrook, Dublin.
	1885. G.)	CLIFTON, GEORGE BELLAMY		G.W.R., 66 Porchester Rd., Pad-
	1888. M.			dington, W. (Managing Director, Messrs. Thomas
	1901,	CLOAKE, WILLIAM HENRY		Green & Son, New Surrey Works,
				Southwark St., S.E. [Surrey Works, London. Hop 2022.]
	1898. G.)	Constant Assess		10 Darston Canana Waltafield
	1901. A.M.\ 1910. M.\	CLOSE, HENRY ALWYN	• •	12 Barstow Square, Wakefield.
	1902:	CLOUD, JOHN WILLS		Westinghouse Brake Co., 82 York Rd., King's Cross, N.
	1885.	CLUTTERBUCK, HERBERT	••	Engineers' Dept., L.C.C., Spring Gardens, S.W.
	1904.	COATES, ALFRED	••	Manager, Whessoe Iron Foundry, Darlington.
	1911. A.M.)	G Fl		Messrs. John Coates and Co.,
	1914. M.)	COATES, FREDERICK	• •	115 Victoria St., Westminster, S.W.
	1902.	COATES, VICTOR HENRY		121 Victoria Street, Westminster,
	1302.	COATES, VICTOR HENRY	••	S.W. [Victomime, Sowest, London. Victoria 3448.]
	1885,	COCHBANE, JOHN		Grahamston Foundry and Engine Works, Barrhead, Glasgow.
	1000.	COURTERING, WORLD	••	[Cochrane, Barrhead.]
	1910.	Cochrane, Major Joe Ernest Charles Jame		39 Egerton Terrace, S.W.
	2010.	D.S.O)	55 Egorion Torrace, 5, 11.
	1904.	GOCHRANE, LtColonel THOM. HENRY, M.V.O., R.E	AS	(c/o Messrs. Cox & Co. (R.E.), 16 Charing Cross, S.W.
	1902. A.M.)	CODD, THOMAS JAMES	••	(Metrop, Asylums Board, Sheffield
	1908. M.	(CODDINGTON, Sir WILLIA	M.	House, Sheffield St., W.C. Ordnance Cotton Mill, Blackburn;
	1864.	Bart		and Wycollar, Blackburn.
	1898.	COKER, Professor ERNE GEORGE, D.Sc., F.R.S.	ST	Engineering Laboratory, University College, Gower Street, W.C.
	1889.	COLAM, WILLIAM NEWBY		127 Rutland Square, Edinburgh.
	1912.	COLBORNE, THOMAS		[Colam, Edinburgh. 1285.] 15 Fore St., Trowbridge.
	1912.	Colclough, Ernest		Loco. Dept., Cambrian Railways, Oswestry.
	1905. A.M.)	COLE, CHARLES STUART		136 Thornbury Road, Spring Grove,
	1910. M.	Only Chamber Of Chit	••	(Isleworth.

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Date	01	101	ect	ion
and	of	Tra	nsi	fer.

1916.

and of	Transfer.		
-	_		, 50 Lime Street, E.C. [Carbuncle
1892.		COLE, HENRY AYLWIN BEVAN	London. Avenue 1750.]
1912.		COLEY, ARTHUR BODEN	(Union Bank Chbrs., Southamp-
		,	(Municipal Technical School,
1894.	A.M.) M.)		{ Lincoln.
1884.		COLTMAN, JOHN CHARLES	Engineering Works, Meadow Lane, Loughborough.
1902.		Conner, James	Genl. Manager, English Electric Mfg. Co., Preston.
1888.		CONSTANTINE, EZEKIEL GRAY- son (Life Member)	Consden, Newquay.
1906.		CONWAY, GEORGE ROBERT	(409 Royal Bank Building, Toronto, Canada.
1886.	G.)	(Public Works Dept., Sydney, N.S.W.
1891.	ы.,	CONYERS, WILLIAM	The Springs, Evelyn, Victoria.
1904.		COOK, ALFRED BICKERSTETH	Messrs. Jno. Birch & Co., 2 London
	~ \	COOK, ALERED DICKERS	(Wall Dulldings, 12.0.
1889. 1911.	G. M.	Cook, George Norcliffe	Messrs. William Beardmore & Co., Parkhead Works, Glasgow.
1906.		Соок, Јони	Mgr., Thika Sisal Co., Chania Bridge, British East Africa.
1888.		Cook, John Joseph	Lingfield, Oban Rd., Bourne- mouth.
1004	A 35)		(Messrs, Barry, Henry & Co., 155
1904.	A.M.)	Cook, John Nicol	{ Fenchurch St., E.C. [Barrorum,
2000	220)		[London, Bank 342.]
1902.		Cook, Reuben James	Messrs. John I. Thornycroft & Co., Woolston, Southampton.
1010		Cook, Thomas	(Messrs. Spencer and Cook, Empire
1912.		Cook, Thomas	
1905.		COOK, WILLIAM HALL	Staveleigh, 188 Wellington Road, Heaton Chapel, Stockport.
1912.		Cooke, Charles John Bowen	Chief Mech. Eng., London and North Western Rly., Crewe.
1877.		COOPER, ARTHUR, LL.D	Erdely, Middlesbrough.
1903.		COOPER, ARTHUR THOMAS	3 Clement's Inn, Strand, W.C.
1905.	M.5	Coording, Interior Life and	(Chief Machanical Floringer Magnet
1908.		COOPER, EDMUND LUCAS	Chief Mechanical Engineer, Messrs. J. & P. Coats, Ferguslie Mills,
1898.		COOPER, HENRY	Paisley. Hecla Works, Sheffield.
1913.		COOPER, JASPER EDWIN	Lanchester Motor Co., Mont-
2020.		0001224,022222122271211111111111111111111111111	gomery St., Birmingham.
1905.		Cooper, Robert	61 Gracechurch St., E.C. [Dania-dor, London. Avenue 3187.]
1911.		COOPER, STANLEY	Birmingham Small Arms Co., Small Heath, Birmingham.
1896.		COOPER, THOMAS	Metrop. Asylums Board, Engineer's Dept., Sheffield House, Sheffield
1905.	DI.)		St., W.C.
1892. 1901.	A.) M.)	COOPER, THOMAS LANCELOT	10 Gordon Road, Ealing, W.
1874.	,	COOPER, WILLIAM	Neptune Engine Works, Hull.
1885.		COPPÉE, Baron EVENCE	The Coppée Co. (Great Britain),
1000,		COFFEE, Daton LIVENCE	King's House, Kingsway, W.C.

•	bud Of TTAILS	ICI.	
	1899.	{Copperthwaite, Ralph At-	Heaton Carriage & Wagon Works, N.E. Rly., Walker Gate, New- castle-on-Tyne.
	1911. A.N 1914. N	1. CORBAC, GEORGE HENRY VAN	(c/o Mrs. W. B. van Corbac, 29 Baikal Road, Shanghai, China.
	1901.	CORBETT, ALEXANDER JOHN	Sans Souci, Invergordon, Ross- shire.
	1892.	CORIN, PHILIP BURNE	Anchor Foundry, Penzance.
	1902.	(CORMACK, Prof. JOHN DEWAR,)	The University, Glasgow.
	1895.	Cornish, Eng. Captain EDWIN, R.N.	17 New Rd., Chatham.
	1912.	COBBIN, HABOLD RODOLPH	67 Ecclesall Hall Road, Shef- field.
	1881.	Cosser, Thomas	McLeod Road Iron Works, Karachi, India.
	1900.	COTTON, CHARLES CATHROW	Belle Vue, Mount Pleasant Drive,
	1896.	COTTRELL, STEPHEN BUTLER.	Old Kilpatrick, Glasgow. Homestead, Old Colwyn, Colwyn
	1894.	COTTRILL, JOHN ORMEROD	Bay. Bee Hive Works, Bolton.
	1913.	COUBROUGH, ANTHONY CATH-	(Messrs. Mather and Platt, P.O.
	1010.	COUPER, JOHN DUNCAN CAMP-	Box 389, Calcutta, India.
	1912.	BELL	Res. Eng., New Dock Works, Newport, Mon.
			Messrs. Lindsay Burnet & Co., Moore Park Boiler Works, Govan,
	1895.	Couper, Sinclair	Glasgow. [Burnet, Glasgow.
	1		South Side 1513.] (17 Victoria Street, Westminster,
	1914.	COURTNEY, BASIL TOSSWILL	{ S.W.
	1000		25 Victoria St., Westminster, S.W.; and 38 Croxted Rd., Dulwich,
	1878.	COURTNEY, FRANK STUART	S.E. [Escourre, Westminster. Victoria 2210.]
	1911. A.	M. Cowan, John	22 Writers' Bldgs., Calcutta, India.
	1914. 1902. A.	M i	(Upcott House, Bishop's Hull,
		M. COWAN, PERCY JOHN	Taunton.
	1896.	COWDELL, HENRY CHARLES	Cradley Boiler Works, Cradley Heath, S.O., Staffs. [Boiler, Cradley Heath.]
	1893. A.	M. COWELL, JOHN RAY	P.O. Box 2141, Johannesburg,
	1897.	M.) COWEIII, COMM 1421	Transvaal. (Beck Works, Brook St., Notting-
	1875.	COWEN, EDWARD SAMUEL	ham; and 1 Peveril Drive, The Park, Nottingham. [Cowen,
			Nottingham, 87.1
	1902. A. 1909.	.M.) Cowen, George Hepple	Managing Director, Messrs. George Turton, Platts & Co., Savile St., Sheffield.
	1898.	Cowens, William Edward	300 Pilgrim Street, Newcastle-on-
			(1 and 9 Old Pro Street West-
	1892.	COWPER - COLES, SHERARD	minster, S.W. [Pyecoles, Vic.,
	1906.	Cox, Frederick John	[London.] §212 Brecknock Rd., Tufnell Park,
	1000.	COA, PREDERICK JOHN	N.

and of Transfer.		,
1888. G.) 1896. M.)	Cox, Herbert Henry	Meadowside, Falmouth.
1904. A.M.) 1906. M.)	COZENS - HARDY, The Hon. EDWARD HERBERT	St. Helens, Lancs.
1897. A.M.) 1905. M.)	CRAIG, ALEXANDER	Maudslay Motor Co., Parkside, Coventry.
1902. A.M.) 1907. M.)	CRAMB, ALEXANDER CHARLES	Croydon Corpn. Electricity Works, Factory Lane, Croydon.
1899.	CRAVEN, JOHN ALFRED	Birk House, Wollstonecraft Rd., Boscombe, Bournemouth.
1894.	CRAVEN, WILLIAM H. S	Fernlea, Dunham Rd., Altrincham.
1902. A.M.) 1906. M.)	CRAWFORD, GERALD WALKER	(41 George St., Edinburgh. [Central 1222.]
1901.	CRAWFORD, JOSEPH	Exchange St., Manchester. [Clinker, Manchester. City 46.]
1911.	CRAWSHAW, WILLIAM EDWIN	Works Manager, Oudh and Rohil-
1912.	CREAK, ROBERT BROWN	kund Rly., Lucknow, India. 147 Queen Victoria Street, E.C.
1898.	CREWE, HENRY THOMAS	17 Sunning Hill Rd., Lewisham, S.E.
1889.	CRIBB, FREDERICK JAMES	Messrs. Marshall Sons & Co., Britannia Iron Works, Gains- boro'.
1912.	CRIGHTON, CHARLES	Deputy Loco. and Carr. Supt., South Indian Rly., Negapatam, Madras Presidency.
1912.	CRIPWELL, FRED	18 Bigg Market, Newcastle-on- Tyne. [Cripwell, Newcastle-on- Tyne. Central 1729.]
1897.	CRITCHLEY, JAMES SIDNEY	Carlton House, Lower Regent Street, S.W.
1903. A.M. 1914. M.	CROCKER, CLAUDE EDWARD	Manager, Kalgoorlie Electric Light and Power Corpn., Kalgoorlie, W. Australia.
1906. A.M. 1913. M.	Crocker, Ernest George	The Moat, Soham.
1903.	CROFT, FREDERICK LISTER	Messrs. Crofts (Engineers) Ltd., Thornbury, Bradford. [Crofters, Bradford. 4901.]
\$ 1877.	CROMPTON, Colonel ROOKES EVELYN BELL, C.B	Bradford. 4901.] Arc Works, Chelmsford; and Thriplands, Kensington Court, W. [Crompton, Chelmsford.]
1898.	CRONIN, RICHARD	Loco. Supt., Dublin, Wicklow and Wexford Rly., Upper Grand Canal St., Dublin.
1881.	CROSLAND, JAMES FOYELL LOVELOCK	
1891.	CROSLAND, JOSEPH	Messrs. Arthur Balfour & Co. Ltd., Dannemora Steel Works, Shef- field; and Stanley Avenue, Birk-
1911.	Cross, Spencer Douglas	dale, Southport. 1 The Avenue, Colchester.
1903. G.) 1904. A.M. 1912. M.	Cross, William Mark	{Local Government Board, White-hall, S.W.
1900.	CROSTA, LORENZO WILLIAM	Clifton House, Musters Rd., West Bridgford, Nottingham.

			(Chief Mech. Eng., F.C. Central
	ouch, John Peacher	••	Argentino, Rosario de Santa Fé, Arg. Rep.
1896. G.) 1901. A.M.) CRO 1911. M.	ow, Lewis	••	(c/o H. M. Rogers, 70 Merchant's Exchange, Cardiff.
1909 CR	UTTWELL, GEORGE EDWAI	RD	Dartmouth House, 2 Queen Anne's Gate, Westminster, S.W. [Con- silium, London. Westminster 248.]
1892. A.) CRY 1902. M.) CRY	YER, ARTHUR	••	10 Penywain Place, Roath Park, Cardiff.
1906. A.M. CRY 1912. M.	ZER, JAMES WILFRED	••	63 Bradford Rd., Bolton,
*	LLEN, PETER JOHN		19 The Pryors, Hampstead Heath, N.W.
1889. Cur	LLEN, WILLIAM HART	••	Castner-Kellner Alkali Co., Walls- end-on-Tyne.
	MING, GEORGE	:	Messrs. Harland & Wolff, Belfast.
1911. M.)	MMING, WILLIAM MILLIGA		Messrs. Jones Burton & Co., 19 Castle Street, Liverpool.
1912.	NINGHAM, JOHN CUNNING AM	1	Chief Eng., South Mine, Broken Hill, New South Wales.
1906. A.M. C	ommander LEONARD	}	Engineer-in-Chief's Dept., The Admiralty, Whitehall, S.W.
	RRIE, GEORGE MACKAY	{	Ardeer Factory, Stevenston, S.O., Ayrshire.
		••	St. Angelos, Bray, Co. Wicklow. (Public Works Dept., Sydney.
1900. Cur	LEB, ARTHUR EDWARD .	•• {	N.S.W.
1887. CUT	LER, GEORGE BENJAMIN	{	Providence Iron Works, Millwall, E.; and 52 Westcombe Park Road, Blackheath, S.E. [Cutler, Millwall. Eastern 59.]
1876. Cur	eler, Samuel	}	Messrs. Samuel Cutler & Sons, 39 Victoria Street, Westminster, S.W.
1891. G.) CUT	LER, SAMUEL, Jun	}	Messrs, Samuel Cutler & Sons, 39 Victoria Street, Westminster, S.W.

1894. A.M.) 1901. M.)	(Life Member)	Messrs, St. Paul & Dadina, Graham's Buildings, Bombay.
	DAINTREE, THOMAS EKINS	Rand Club, Johannesburg, Trans- vaal.
1883.	D'Albert, Charles	15 Avenue Larcher, Chatou, Seine et Oise, France.

and of I	ransier.	
1890.	DALBY, Professor WILLIAM ERNEST, F.R.S.	(City and Guilds (Engineering) College, Exhibition Rd., S.W.
1893.	Dall, John	Messrs. Lamport and Holt, Fulton St. Works, Liverpool.
1881.	D'ALTON, PATRICK WALTER	Cross Keys House, 56-58 Moorgate St., E.C.
1910. 1915.	A.M.) DALZELL, HAROLD EDWARD	Chief Mech. and Electrical Eng., Ferro Carriles del Sur, Arequipa, Peru.
1910.	Dalziel, James	Taikoo Sugar Refining Co., Quarry Bay, Hong Kong, China.
1908.	DAMANT, Eng. LieutCommr. Walter Sancroft, M.V.O., R.N.	H.M.S. "Galatea," c/o Post- master General, E.C.
1902.	Dame, John Malvern	Gen'l. Mgr. Standard Oil Co. of New York, Bombay, India.
1899.	Dan, Takuma	Mitsui Mining Co., 1 Suruga-cho, Nihombashi-ku, Tokyo, Japan.
1909.	DANBY, CHARLES GEORGE HENRY	Carr. and Wagon Supt., East Indian Rly., Lillooah, Bengal.
1899.	Diami Omenam	110 Cannon St., E.C.
1866.	Distract Francisco Francis	89 Derby St., Burton-on-Trent.
2000	DANIEL, EDWARD PREER	Messrs. John Fowler & Co., Steam
1866.	Daniel, William	Plough and Loco. Works, Leeds; and Menston, Leeds.
1903.	Daniels, George	Oakdene, Hyde Rd., Gorton, Man- chester. (25 Victoria St., Westminster, S.W.
1888.	DARBISHIRE, JAMES EDWARD	[Escourre, London. Victoria 2210.]
1902.	Darling, John William	Airedale Works, Keighley.
1905. 1908.	A.M. DARLINGTON, SEYMOUR NANCE	Messrs. Vickers Ltd., Vickers House, Broadway, Westminster, S.W.
1878.	DARWIN, HORACE, F.R.S. (Life Member)	The Orchard, Huntingdon Rd., Cambridge.
1912.	Dashper, Edward Henry	London and South Western Rly., Southampton Docks, South- ampton.
		(Messrs. Hobdell, Way & Co., St.
1909.	DAVEY, ARTHUR	John's House, 124-125 Minories, E.
1873.	{DAVEY, HENRY (Vice-Presi- dent)	Conaways, Ewell, Surrey.
1906.	DAVIDS, SMITH WILLIAM	Mulgrave Central Mill, Nelson, North Queensland.
1890. 1894.	A.M. DAVIDSON, ALBERT	139 Norfolk St., Sheffield.
1896.	M.	,
	A.M.) DAVIDSON, Capt. ALEXANDER)	
1911.	M.) ELLIOTT, D.S.O., R.E	6 Pond Rd., Blackheath, S.E.
1913.	Davidson, Charles Smith	Chief Eng., Electricity Works, High St., Mortlake, S.W.
1901.	G.)	Genl. Manager, Sirocco Engineer-
	A.M. DAVIDSON, JAMES SAMUEL	ing Works, Bridge End, Belfast.
	/	[Sirocco, Belfast. 327.]
1901.	A.M. DAVIDSON, JOHN McKENZIE	General Contractor, Karachi, India.

1888. DAVIDSON, SAMUEL CLELAND	(Sirocco Works, Bridge End, Bel-
1897. DAVIES, EDMUND JOSEPH	fast. [Sirocco, Belfast. 327.] 21 Rodney Terrace, Cheltenham.
1004 A.M.)	(Eng. and Genl. Mgr., Corpn. Water
1909. M. DAVIES, FREDERICK WILLIAM	Dept., Castle Boulevard, Notting-
	ham,
1891. DAVIES, JOHN HUBERT	P.O. Box 1386, Johannesburg, Transvaal.
1904. DAVIES, SIDNEY	(Messrs. Hayward Tyler & Co.,
130±. DAVIES, SIDNEY	Luton.
1904 A M)	Rapidising Engineering Works,
1904. A.M. 1914. M. DAVIS, EDMUND JAMES	Great Eastern Rd., Stratford, E. [Rapidising, London. East
	1350.]
1907. A.M.) DAVIS, HENRY WHITWORTH	Loco. Dept., Egyptian State Rlys.,
1907. M.)	Cairo, Egypt.
1907. A.M. DAVISON, EDWARD JAMES	(11 Carteret Street, Queen Anne's Gate, Westminster, S.W. [Sagre-
1912. M.)	taw, Vic, London.]
1908. DAVY, BERNARD JOSEPH	Dewhurst's Engineering Co., Atter-
Constitution	cliffe Rd., Sheffield.
1892. DAVY, WILLIAM JAMES	{28 Stanhope Gardens, Highgate, N.
(DAWSON SI-ADDRESS TO THE TOTAL OF THE TOTAL	Messrs. Vickers Ltd., Vickers
1901. {DAWSON, Sir ARTHUR TREVOR (Member of Council)	House, Broadway, Westminster,
1975 (1)	S.W.
1890. M. DAWSON, EDWARD	[23 Park Place, Cardiff. [Mechanical, Cardiff.]
1907. Dawson, George Pilkington	Groton House, Boxford, Suffolk.
1896. A.M. DAWSON, PHILIP	(St. Stephen's House, Victoria Em-
(DAWSON Professor Tox Cm.	bankment, Westminster, S.W.
TOTAL	(Victoria Jubilee Technical Institute, Bombay, India.
1911. A.M.) DAY BUNIAMIN TOUR	
1914. M. S DAI, DERIGHMAN SORR	3 Park Place, Cardiff.
1896. DAY, CHARLES	(Bramhall House, Hazel Grove,
1886. DAYSON, WILLIAM OGDEN	Stockport. 1 Mount Street, Swansea.
1880. DEACON, RICHARD WILLIAM	(45 Burlington Avenue, Kew
	Gardens, Surrey.
1900. G.)	(Messrs. S. Pearson & Son, 10 Vic-
1902. A.M. DEACON, ROBERT DUGALD	toria Street, Westminster, S.W.
	(124-127 Leopold Street, Birming-
1894. DEAKIN, BENJAMIN WALTER	ham. [Turnery, Birmingham.
1903, A.M.)	Mid. 2282.]
1915. M. DEAKIN, GEORGE WELSBY	4 Cearns Road, Oxton, Birkenhead.
	(Thornleigh, Oakfield Rd., Selly
	Park, Birmingham.
1900. {DEAN, FREDERIC WILLIAM CHARLES	Royal Ordnance Factory, Royal
(CHARLES	Arsenal, Woolwich. General Manager, Messrs. Knowles
1903. Dean, Joseph	& Co., Globe Works, Bradford.
	& Co., Globe Works, Bradford. [Machines, Bradford. 2182.]
1900. DEEBLE, WILLIAM RUFUS	Chief Mech. Eng., Tasmanian Go- vernment Railways, Launceston,
LOO. DEBBUR, WILLIAM ROFUS	Tasmania.

	•	
1890.	DEELEY, RICHARD MOUNTFORD	Abbeyfield, Salisbury Avenue, Harpenden, Herts.
1889.	DEFRIES, WOLF	Antelope Foundry, Deptford, S.E.
1901.	Dellwik, Carl	(9½ Union Court, Old Broad St., E.C.
1904.	DE MATTOS, JOSEPH HILBERT	Managing Director, Eddison Steam Rolling Co., Ltd., Dorchester, [Eddison, Dorchester, 20.]
1900.	Denham, John	P.O. Box 1072, Johannesburg, Transvaal.
1882.	Denison, Samuel	Hunslet Foundry, Leeds. [Weigh, Leeds. Central 1238.]
1909. A.M. 1912. M.		Loco. Running Supt., G.N. Rly. (Ireland), Dundalk.
1888.	DENT, CHARLES HASTINGS	General Manager, Great Northern Rly., King's Cross, N.
1903.	DEWAR, JAMES MCKIE	Messrs. Cammell Laird & Co., 3 Central Bldgs., Westminster, S.W.
1895.	DEWHURST, JOHN HENRY	Managing Director, Dewhurst's Engineering Co., Sheffield. [1614 and 3861.]
1899.	DEWRANCE, John (Member of Council)	165 Great Dover Street, S.E.; and Cranmore Place, Chisle- hurst.
1903.	{Dicken, Robert Christian}	34 Willcott Road, Acton, W.
1890.	Dickinson, Alfred	Central House, New St., Birming- ham. [Traction, Birmingham. 1823.]
1894. A.M.) 1899. M.)	DICKINSON, HAROLD	City Electl. Eng., Corpn. Electric Supply Dept., 24 Hatton Garden, Liverpool.
1891.	DICKINSON, JAMES CLARK	Palmer's Hill Engine Works, Sunderland.
1892.	DICKINSON, RICHARD HENRY	Chief Eng., Tramways Department, Council House, Birmingham.
1910.	Dickson, Norman	25 Victoria St., Westminster, S.W. [Endeepee, Vic, London. Victoria 1602.]
1905. A.M.) 1909. M.)		Maneckchock and Ahmedabad Manufacturing Co., Sugar Lane, Ahmedabad, India.
1898.	DIXON, WALTER	38 Bath St., Glasgow. [Fresco, Glasgow. 3656.]
1897.	Dixon, Walter Frank {	Kompanaya Singer, Podolsk, Moscow Govt., Russia. General Manager, Municipal Gas,
1910.	Dobson, Joseph Henry	Electric Supply and Tramways Dept., P.O. Box 699, Johannes- burg, Transvaal.
1899.	Dobson, Sydney Thornton	Chief Eng., St. James's and Pall Mall Electric Light Co., 19 Carnaby St., Golden Sq., W. [Fulleresco, London. Gerrard 5082.]

1895. A.) DOCKER, FRANK DUDLEY, C.B.	Chairman, Metrop. Amalgamated Rly. Carriage and Wagon Co., Saltley, Birmingham; and The Gables, Kenilworth.
1889. Dolby, Ernest Richard	§8 Princes St., Westminster, S.W.
	(7 Trossachs Road, East Dulwich,
1898. A.M. 1903. M. DONALD, DAVID BOSWELL	S.E.
(DONALDSON, Sir HAY FRED-	Armament Bldgs., Whitehall, S.W.;
1898. ERICK, K.C.B. (Past-President)	Royal Arsenal, Woolwich; and Wood Lodge, Shooters Hill, Kent.
1895. Donkin, Harry Julyan	Bryan Donkin Co., Millbank House, 2 Wood St., Westminster, S.W.
1911. Donkin, Sydney Bryan	Messrs. Kennedy and Donkin, 17 Victoria Street, Westminster, S.W. [Kinematic, London.]
1902. {Donohue, Colonel William Edward, A.S.C	Chief Inspector of Mechanical Transport, Aldershot; and St. Ives, South Farnborough, Farn- borough.
	Broughton Bridge Iron Works,
1891. Donovan, Edward Wynne	Salford, Manchester. [Dazzle, Manchester. 8404.]
1904. A.M.) DOUGLAS, CHARLES EDWARD	Messrs. Douglas & Grant, Dunni-
1909. M.)	kier Foundry, Kirkcaldy.
1909. Douglas, James Thomas	11 Dale St., Liverpool. (1 Fenchurch Avenue, E.C. [Block-
1902. M.) Douglas, William James	ading, London.
1903. Dove, John Charles	Messrs. Cowans, Sheldon and Co., St. Nicholas Works, Carlisle. [St. Nicholas, Carlisle.]
1900. Dow, James William	Carr. and Wagon Dept., N.E. Rly., York.
1916. Down, PHILIP ALFRED	99 Kenilworth Avenue, Wimbledon Park, S.W.
1907. Downs, Charles Stephen	6 Clarence Lawn, Dover.
1880. DOXFORD, ROBERT PILE	Iroquois Lodge, Radlett, Herts.
1900. A.M. DRAKE, ARTHUR JAMES	91 Southfield Rd., Bedford Park, Chiswick, W.
DRAKE, Eng. Commander	Royal Naval Barracks, Portsmouth.
1913. SIDNEY JAMES, R.N DREWITT, GEORGE DUNCAN	Helouan, Egypt.
1904. A.M.) DRINNAN JOHN	Overdale, Main Road, Handsworth, Sheffield.
1912. M.)	
1904. M. Deonsfield, James	Norley Hall, Norley, Warrington.
1896. Dronsfield, William	Sandiway Lodge, near North- wich.
1907. A.M.) DRUMMOND, GEORGE RICHARD	India.
1898. DRUMMOND, GEORGE WILLIAM	Glasgow Rly. Engineering Co., Helen St., Govan, Glasgow.
1898. DRUMMOND, PETER	Loco. Dept., Glasgow and S.W.
1911. A.M.) Danne Branch Street	Rly., Kilmarnock. (Victoria Chambers, Bowlalley Lane,
1913. M.) DRURY, REGINALD STARR	Hull.

Date	of	El	ecti	on
and	of '	Fra	nsf	er.

1900. DRYDEN, ALBI	ERT	12 Harborough Road, Streatham, S.W.
1896. DRYDEN, THOM	TAS	Grimshaw Street Foundry, Preston. [36.]
1912. Dudgeon, Har	RRY ALLSOP .	Messrs. G. & J. Weir, Cathcart, Glasgow.
1900. Dudin, Henry	WILLIAM .	Messes. Yarrow & Co., Scotstoun, Glasgow.
1868. G. DUGARD, WILL	LIAM HENRY .	Vulcan Rolling Mills, Bridge St. West, Summer Lane, Birmingham.
1895. A.M. 1908. M. DUMAS, ROBER	т	British Thomson-Houston Co., Rugby.
1912. Duncan, Edwa	and MacGrego	minister, D. W.
1913. Duncan, Geor	RGE THOMAS .	Messrs. Tangyes, Hope Street, Glasgow.
1901. A.M. DUNCAN, JOHN		Munic. Technical Institute, Rom- ford Rd., West Ham, E.
1895. A.M. DUNCAN, WILI	IAM	Mech. Eng., S. African Rlys., Pietermaritzburg, Natal.
1907. Dunkerley, I	HERBERT	Imperial Chambers, Bowlalley Lane, Hull.
1900. DUNLOP, PETE	R	. 43 Park Hill, Clapham, S.W.
1895. A.M.) DUNN, MATTHI	ew	Corpn. Gas Works, Stockton-on- Tees.
1914. Durham, Har	RY WILLIAM .	Messrs. A. Ransome & Co., Stanley Works, Newark.
	g. Vice-Admira John, K.C.B.	
1886. G.) DUVALL, CHAR	LES ANTHONY.	. Great Haseley, Oxon., Wallingford.
1904. DYKES, ARTHU	R JOHN	Loco., Carr. and Wagon Supt., Mauritius Govt. Rlys., Central Rly. Stn., Port Louis, Mauritius.
1913. DYKES, JAMES		caldy. Dykes, Berford, Kirk-
1865. Dyson, Robert	r	Rother Iron Works, Rotherham.

1904,		Eng. & Loco. Supt., B. P. & G. V. Rly. & Docks, Burry Port; and Caehelyg, Burry Port, R.S.O., Carmarthenshire.
1904. 1888. 1908. 1896. 1897. A.)	EBOBALL, ALFRED CECIL EBOBALL, CORNELIUS WILLES	Thorne Leigh, Old Road, Stan- ningley, Leeds. Boro' Eng., Temple Chbrs., Crewe. 45 Addison Road, West Kensing- ton, W. Birnam Lodge, Folkestone. (British Aluminium Co., 109 Queen
1898. M.)	Wood	British Aluminium Co., 109 Queen Victoria Street, E.C.

	and of Transfer.		
MA	1906. A.M.) 1911. M.)	ECKART, Professor WILLIAM RANKINE	{1445 Bryant St., Palo Alto, Cal., U.S.
	1886.	EDE, FRANCIS JOSEPH	Messrs. Ede Bros., Silchar, Cachar, India.
	1892. G. 1893. A.M. 1898. M.	EDGCOME, JAMES EDMUND	Boro' Electrical Eng., Kingston-on-Thames.
	1915.	EDGLEY, ERNEST GEORGE	Messrs. Richardson and Cruddas, Byculla, Bombay.
	1900.	EDWARDS, ALBERT EDWARD ALEXANDER	[Central 6810 X.]
	1877. 1891. G.)	Edwards, Frederick	100 Bishopsgate, E.C.
	1895. A.M. 1898. M.	EDWARDS, HERBERT FRANCIS	
	1885. G.) 1895. M.)	Edwards, Walter Cleeve	Pacific Phosphate Co., Collins St., Melbourne, Victoria.
	1899.	Elford, Ernest John	Boro' Surveyor, Southend-on-
	1888.	ELLERY, HENRY GEORGE	7 Fernbank Rd., Redland, Bristol.
	1912.	ELLIOTT, CLIFFORD FRANCIS	Hengist Lodge, Southwood Avenue, Bournemouth.
	1895.	ELLIOTT, GEORGE	255 Antrim Rd., Belfast.
	1904. A.M.)	ELLIOTT, GEORGE HENRY	Oakhurst, 6 Benson Rd., Forest
	1913. M. § 1905. A.M.)		Hill, S.E. Oficina Ballena, Lautaro Nitrate
	1914. M.	ELLIOTT, STANLEY HERBERT	Co., Taltal, Chile.
	1901.	ELLIS, ARTHUR	Eng. and Manager, Corpn. Electric Light and Tramway Depts., The Hayes, Cardiff.
	1895.	ELLIS, ARTHUR DEVONSHIRE	2 Cardigan Rd., Richmond, Surrey.
	1903. A.M. 1911. M.	ELLIS, BERNARD PEMBERTON	S.W.
	1907. A.M.) 1915. M.)	Ellis, Harry Stephenson	Boro' Electrical Eng., Electric Supply Dept., South Shields.
	1898. A.M.) 1904. M.)	Ellis, Jesse	Burnside, Chestnut Road, West Norwood, S.E.
	1901.	ELLIS, REGINALD EATON	70 and 72 Chancery Lane, W.C.
			[Patent, London. Holborn 243.] (Works Manager, Westinghouse
	1900.	Elmer, Joseph John	Brake Co., 82 York Rd., King's
	1014	The same Tank	Manager, Buenos Aires & Quilmes
	1914.	ELORDI, JUAN JOSÉ	Electric Tramways Co., Quilmes, F.C.S., Arg. Rep.
	1912.	ELSTOB, FRANCIS	16 Penn Road, Holloway, N. General Works Manager, Egyptian
	1897.	ELSWORTH, JOHN FRANCIS	
	1906. A.M. 1911. M.	ELTON, SYDNEY GEORGE	Messrs. James Simpson & Co., 10 Clive St., Calcutta.
	1910.	ELVY, THOMAS ELVY	Laurbownne, Queenstown.
	1890.	ENGLISH, LtColonel THOMAS, R.E., ret.	Bagdale House, Whitby.
	1894.	English, Thomas Matthew	,

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2	n	d	6	f	*	Pr	28	n	R	fi	A	r.

and of Transfer.		
1894.	Ennor, Charles John	Hollywood, Liskeard.
1900. A.M.) 1906. M.)	Enock, Arthur Guy	Thane Works, Fountayne Rd., Broad Lane, Tottenham, N. [Icerimus, London. Tottenham 63.]
1897. A.M.) 1904. M.)	EPTON, WILLIAM MARTIN	Lonrho Buildings, Baker Avenue, Salisbury, Rhodesia.
1901.	ERICHSEN, FREDERIK OLE	Messrs. Simpson & Co., 101 Grosvenor Rd., Pimlico, S.W. (Chief Eng., English Sewing Cotton
1907.	ERMEN, BERNHARD GODFREY	Co., National Bidgs., The Parsonage, Manchester.
1890.	Esson, John	Chatteris Engineering Works, Chatteris, S.O., Cambridgeshire.
1884.	ETHERINGTON, JOHN	39A King William St., London Bridge, E.C.
1897. G.) 1903. A.M.) 1911. M.	ETLINGER, GEORGE ERNEST	Messrs. John Birch & Co., 3 London Wall Bldgs., E.C.
1910.	Evans, David Edward	Messrs. Ralli Bros., Calcutta, India.
1906. 1906. A.M. 1914. M. 1907.	Evans, David Llewellin Evans, Ernest Alfred Evans, Lewis	120 Bute St., Cardiff. Govt. Rlys., Midland Junction, Western Australia. 96–98 Leadenhall St., E.C.
1904. A.M.) 1906. M.)	Evans, Malcolm Thomas	51 Queen Sq., Bristol.
1905.	EVERETT, WILFRED HERMANN	2 Park Mansions, Park St., Calcutta, India.
1887.	EVERITT, NEVILL HENRY	Swains House, Bembridge, Isle of Wight.
1894. A.M.) 1896. M.)	EWEN, JOHN TAYLOR, F.R.S.E.	H.M. Inspector of Schools (Science and Art) for N. Divn. of Scotland: 104 King's Gate, Aberdeen.
1891.	EWING, Sir JAMES ALFRED, K.C.B., LL.D., F.R.S. (Member of Council)	Froghole, Edenbridge. [Ewing, Crockham Hill.]
1890.	EXTON, GEORGE GASKELL	Messrs. Chubb & Son, 128 Queen Victoria St., E.C.

1912.	FAIRLIE, WILLIAM EDWARD .	. {	23 Methuen Park, Muswell Hill,
1881.	FARBAR, SIDNEY HOWARD .		4 London Wall Buildings, E.C.
1901.	FEDDEN, SAMUEL EDGAR .	. }	Chief Eng. and Manager, Corpn. Electric Supply Dept., Com- mercial St., Sheffield.
1882.	FEENY, VICTOR ISIDORE .	. {	60 Queen Victoria St., E.C. [Victor Feeny, London.]
1899.	FEETHAM, МАВК	. {	London Electric Supply Corpn., Stowage Wharf, Deptford, S.E.

and of Transfer.		
		Chief Officer, L.C.C. Tramways, 62
(COVENTRY	Finsbury Pavement, E.C. Down Hall, Rayleigh, Essex.
	ENWICK, JAMES	19 Bridge St., Sydney, N.S.W.
		[1038.] [1038.] [1038.] [1038.]
	ERGUSON, JAMES STRATHEARN	S.W.
	ERGUSON, MEPHAN ERGUSON. RUSSELL FOR-	Gordon St., Footscray, Victoria. (Boro' Electrical Eng., Hastings
1903. A.M.) Fr	ERGUSON, RUSSELL FOR-	Corporation, Earl Street, Hast-
1881. Fr	erguson, William	ings. 131 Coromandel St., Wellington,
	ERGUSON, WILLIAM DEEBLE	New Zealand. 10 Mayfair, Belfast.
1900. Fr	erranti, Sebastian Ziani de	Baslow, Derbyshire.
	MUIR	The University, Bristol.
1914 SFI	ELD, Professor ALLAN	Municipal School of Technology,
	BERTRAM	Manchester. 16 Chatsworth Rd., Brighton.
1874. Fr	elding, John	Atlas Iron Works, Gloucester. [Atlas, Gloucester.]
1914. FI	FER, ALOIS JOHN JOSEPH	3 St. Helen's Place, E.C.
1913. Fr	LDES, PERCY ARTHUR	Dept. of Public Works, Sydney, N.S.W.
1915. Fr	ncken, George	Messrs. Mardon, Son and Hall, Bristol.
1902. A.M.)		United Engineers Ltd., Singapore,
1905. M.	NNIE, WILLIAM	S.S. (Massrs Walker Eaton & Co.
1899. Fr	RTH, AMBROSE	Messrs. Walker, Eaton & Co., Wicker Iron Works, Sheffield.
1007		[Founder, Sheffield. 373.] (Cintra, Hatton Park, Welling-
	SH, SYLVESTER ROBERT	borough.
	TZGERALD, MAURICE FRED-	Fairholme, Monkstown, Co. Dublin.
	TZMAURICE, Sir MAURICE, C.M.G.	Westminster Chambers, 9 Victoria Street, S.W.
1877. SF1	ANNERY, Sir James Fortes-	19 Fenchurch St., E.C. [Avenue
1898 AM)	CUE, Bart., M.P	(Messrs. Johnson & Fletcher, P.O.
1905. M.	LETCHER, HAROLD CLARKSON	Box 224, Bulawayo, Rhodesia.
1892. G.) 1894. A.M.) Fr	LETCHER, JOSEPH ERNST	Messrs. N. Hingley & Sons, Nether-
1906. M.)		ton Iron Works, Dudley. Ovingham House, Beech Grove,
	LETCHER, WILLIAM	Whickham, Co. Durham.
1902. A.M. 1905. M. Fr	LETCHER, WILLIAM CHARLES	Dept. of Agriculture and Technical Education, Cairo, Egypt.
1915. A.M.\ F	LETCHER, WILLIAM MARS-)	43 Castle Street, Liverpool.
	DEN	(Morel's Chambers, Cardiff. [Shaft,
1901. F:	LINDT, ERNEST JUST	(Cardiff.]
1903. F	LOCKTON, BENJAMIN PERCY	Nottingham.
1908. F	OORD, JOHN KILBY	39 Victoria St., Westminster, S.W. [Turbomotor, London. Victoria
2000,	oom, committees	4432.]

Date	of	Election
and e	of ?	Transfer.

and of Transfer.	
1895, A.M.) FORBES, GEORGE CHICHESTER	Loco. Supt., F.M.S. Rlys., Kuala
(FORRES WILLIAM GEORGE	Lumpur, Malay Peninsula. Chief Mechanical Eng., H.M. Mint,
1882. LOUDON STUART	Calcutta. (68 Victoria Street, Westminster,
1899. FORD, THOMAS WHARTON	S.W. [Forcato, London. Victoria 4611.]
	Genl. Manager, Messrs. Alexander
1912. {FOREMAN, JAMES THOMAS WEATHERALL	Wright & Co., 1 Westminster Palace Gardens, Westminster,
1902. A.M.) FORGAN, CHARLES	S.W. Messrs. Joseph Rank, Baltic House, 27 Leadenhall St., E.C.
1902. FORREST, PETER	Messrs. Topham Jones and Railton, 11 Great George St., S.W.
1912. Forster, Alfred Lindsay	Glasgow Glass Works, Murano St., Glasgow.
1888. Forster, Alfred Llewellyn	Eng., Newcastle and Gateshead Water Works, Newcastle-on-
1901. A.M.) FORSTER, ANDREW	Tyne. Messrs. J. Samuel White & Co.,
1880 FOSTER, HERBERT ANDERTON	Cowes, Isle of Wight. Black Dike Spinning Mills, Queens-
(Life Member) 1911. FOSTER, JAMES YATES	bury, Bradford.
1896. A.M.) FOWLER, HENRY	Whitefriars, Penwortham, Preston. Chief Mech. Engineer, Midland Rly., Derby.
1913. FOWLEB, JAMES ANDREW	Messrs. Wellman, Seaver & Head,
1898. A.M. FOWLER, PERCY MERWOOD	India House, Kingsway, W.C. P.O. Box 1876, Johannesburg, Transvaal.
1894. FOWLER, ROBERT HENRY	Steam Plough and Loco. Works, Leeds, [Fowler, Leeds.]
1906. FOWLER, THOMAS WALKER	Cairnban, Clare St., New Town, Hobart, Tasmania.
1885. FOWLER, WILLIAM HENRY	Oakleigh, The Avenue, Ashton-on- Mersey, Sale, Manchester.
1900. Fox, Charles Heyland	155 Dashwood House, 9 New Broad St., E.C.
1866. Fox, Sir Douglas	Cross Keys House, 56 Moorgate St., E.C.
1901. A.M.) Fox, Edmund John	Messrs. Stewarts & Lloyds, Win- chester House, Old Broad St., E.C.
1899. A.M. Fox, Henry Shoolbred	Messrs. G. J. Worssam & Son, Wen- lock Rd., City Rd., N. [Massrow, London. King's Cross 677.]
1912. A.M. Fox, Leonard Monro	268 South Lambeth Road, S.W.
1901. Fox, WILLIAM	Mech. Eng., Manchester Ship Canal Co., 41 Spring Gardens, Man- chester. [688 and 1077.]
1915. FRANK, PETER	chester. [688 and 1077.] Messrs. Kynoch Ltd., Witton, Birmingham,
ZHAMI, VARIED LEILE	Mort's Dock and Engineering Co., Mort's Bay, Sydney, N.S.W.
1902. FRANKLIN, EDWARD STANLEY	Managing Director, Messrs. Stothert & Pitt, Bath.
1899. FRASER, PATRICK	Westburn Foundry, Arbroath.

1909. Fra	SEE, SAMUEL EDGER	• •	Messrs. Geo. Fraser & Sons, Phœnix Foundry, Auckland, New Zealand.
1900. A.M. 1914. M. FRI	PP, STEUART		c/o A. N. Stephenson, 13 South Charlotte St., Edinburgh.
1905. A.M. 1913. M. FRO	GGATT, FREDERICK		Messrs. John Harper & Co., Albion Wks., Willenhall, Wolverhampton.
1906. Fry	LAWFORD HOWARD		Supt. of Product, Standard Steel Works Co., Burnham, Mifflin
			Co., Pa., U.S.
	ERUGORO, I.J.N	**	Engineering Dept., Admiralty, Tokyo, Japan. (Albion Motor Car Co., Scotstoun,
1905. A.M. 1908. M. Fui	ton, Norman Osborne	••	Glasgow; and St. Edmunds, Milngavie, Glasgow.
1897. A.M. 1901. M. FUR	ENESS, CHARLES		Boro' Electrical and Tramway Eng., Electricity Dept., Blackpool.
1011.	E, JOHN WALKER		Metrop. Asylums Board, Sheffield House, Sheffield St., W.C.
1904. G.) 1907. A.M.) FYF 1912. M.	FE, ANDREW MORTON		Eng. and Genl. Manager, Gas Dept. Offices, Town Hall, Blackburn.
	ie, William	••	34 Queen St., Melbourne, Victoria.

1890.	GADD, WILLIAM	Hayden Villa, Bath Rd., Swindon.
1906.	GALL, ALEXANDER	Rockliffe, Redbrink Crescent, Barry Island, Glam.
1912.	GALL, JOHN	(Maggra Nolson and Wython 200
1884.	(GANGA RAM, Rai Bahadur,) C.I.E., M.V.O	Lahore, India.
1910.	C	47 Victoria Road, Broomhall Park, Sheffield.
1899.		Vauxhall and West Hydraulic Engineering Co., 45 Leadenhall St., E.C. [Vaporiform, London. Avenue 800.]
1900, A.M.) 1907. M.)	GARLAND, FREDERICK JOSEPH	Genl. Manager, Water Works, Frimley Green, Farnborough, Hants.
1899.	GARRARD, GEORGE MINGAY	Morfa, Winscombe, Somerset.
1901. A.M.) 1908. M.)	GARRATT, ERNEST ALBERT	Messrs. Jacobs & Barringer Ltd., 78 Gracechurch St., E.C.
1911.	GARRATT, HECTOR HENRY	Works Manager, Messrs. Henry Hope & Sons, Smethwick, Bir- mingham.
1896. A.M. 1905. M.		Genl. Manager, Singapore Electric Tramways Co., Mackenzie Road, Singapore, Straits Settle- ments.

Date	of of	Election
and	of '	Transfer.

and of Trailer	71 •	
1882.	GARRETT, FRANK	[Leiston Works, Leiston, R.S.O., Suffolk, [Garrett, Leiston.]
1913.		Messrs. John Holroyd & Co., Perseverance Works, Milnrow, Rochdale.
1898. A.M. 1901. M.	} Gass, John	Engr's. Office, The Tower Bridge, S.E. [Hop 922.]
1912.	Gass, William George	Managing Director, Messrs. Ent- wisle and Gass, Atlas Foundry, Nelson St., Bolton.
1900. A.M. 1906. M.	Gaston, Alfred Benjamin	Supt. Eng., Taku Tug and Lighter Co., Taku, North China.
1894.	GATEHOUSE, TOM ERNEST	4 Ludgate Hill, E.C. [Ageekay, London. Holborn 933.]
1901. G. G 1907. A.M. 1912. M.	GAUVAIN, WILLIAM PERCIVAL	Waihi G. M. Co., Waihi, Paeroa, Auckland, N.Z.
1901. A.M. 1909. M.	1 TAWTHORNE WITTIAM ADMOTTO	(
1902.	Gebbie, John	Borneo Co. Ltd., Singapore, Straits Settlements.
1888.	GEDDES, CHRISTOPHER	10 Drury Lane, Water St., Liver-
1903. A.M. 1908. M.	GEE, THOMAS JOHN	pool. [Graccius, Liverpool.] [Eirene, Northumberland Rd., Lea- mington Spa.
1903.	Gelling, John Welsby	Apartado 593, Mexico City, Mexico.
1880.	GEOGHEGAN, SAMUEL	Consulting Eng., Messrs. A. Guinness Son and Co., St. James' Gate Brewery, Dublin; and 17 Westland Row, Dublin.
1908.	GEREBIATEFF, Major-General John Theodore, I.R.A	
1896.	GERMAN, WALTER HUSSEY	O'Connell Street, Sydney, N.S.W.
1898. G. 1905. A.M. 1908. M.	GIBB, MAUBICE SYLVESTER	Central Marine Engine Works, West Hartlepool.
1906. G. 1910. A.M. 1915. M.	,	Chief Mech. Eng., Royal State Rlys., Bangkok, Siam.
1871.	GIBBINS, RICHARD CADBURY	Berkley St., Birmingham. [Gibbins, Birmingham.]
1904.	GIBBONS, WILLIAM FREDERICK	triy., Khargpur, India.
1901.	GIBBONS, WILLIAM GREGORY	Viewpark, Russell Place, Trinity, Edinburgh.
1902.	GIBBS, GEORGE JAMES	7 Lune St., Preston. [114.] (Britannia Iron Works, Observatory,
1901.	GIBBS, JOHN HENRY	Cape Town, Cape Colony.
1911.	GIBSON, Professor ARNOLD HABTLEY, D.Sc	West Bank, Abercrombie St., Broughty Ferry, Forfarshire.
1906.	GIBSON, DAVID	Lancs. and Yorks. Rly. Offices, Horwich, Lancs.
1909.	GIBSON, GEORGE ARTHUR	Dist. Loco. Supt., G.I.P. Rly., Nagpur, India.
1900. A.M.) 1910. M.)	Gibson, George Henry	4 Boleyn Rd., Pollokshields, Glasgow.
21.)		(5011.

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		(Chief Engineer, Zouevsky Mills,
1912.	GILBERT, ERNEST	Station Dresna, near Moscow,
		Russia.
1883.	GILCHRIST, PERCY CARLYLE, F.R.S. (Life Member)	Reform Club, Pall Mall, S.W.
	F.R.S. (Life Member)	
1898.	GILES, BENJAMIN	Divl. Supt., G.W.R., Newton
		Abbot.
1911.	Grand Granden House	Works Eng., Metrop. Carriage Wagon and Finance Co., Saltley
1911.	GILES, CHARLES ERNEST	Works, Birmingham.
1907 A M	GILL, JAMES HERBERT WAIN-	(c/o C. W. Neville-Rolfe, The Wind-
1914. M.		mill, Heacham, King's Lynn.
1911.	GILLESPIE, JOHN	65 Bath Street, Glasgow.
1900. A.M.	·	(Yorkshire Engine Co., Meadow
1904. M.	GILLING, ARTHUR HEWITT	Hall Works, Sheffield.
1881.	Constitution Western Williams	46 Little Heath, Old Charlton,
1001.	GIRDWOOD, WILLIAM WALLACE	Kent.
1896. A.M.		(17 Water Street, Liverpool; and
1906. M.		Dingle Bank, Dingle Lane,
1300. 11.		Liverpool.
1896.	GLASGOW, ARTHUR GRAHAM)	38 Victoria St., Westminster, S.W.
2000.	(Life Member)	
1913.	GLAZE, CHARLES WILLIAM	Works Manager, G.E. Rly., Strat-
1898.	LIVOCK	ford, E.
1090.	GLEN, DAVID CORSE	46 Queen Victoria Street, E.C.
1914.	GLOVER, GEORGE TERTIUS	(Ireland) Dundalk
4000 1 75		(Ireland), Dundalk. (Carr. and Wagon Dept., L. & Y.
1908. A.M.	GOBEY, FRANCIS EDWARD	Railway, Newton Heath, Man-
1911. M.	,	chester.
1000	Consess Warrant Barrers	Beaconhill Park, Hindhead, Hasle-
1880.	GODFREY, WILLIAM BERNARD	mere, Surrey.
		(more)
		De la Vergne Machine Co., Foot
1912.	GOLDINGHAM, ARTHUR HUGH	De la Vergne Machine Co., Foot East 138th Street, New York,
1912.	Goldingham, Arthur Hugh	De la Vergne Machine Co., Foot East 138th Street, New York, U.S.
1912. 1877.		De la Vergne Machine Co., Foot East 138th Street, New York, U.S. Clashawaun Jute Factory, Clara,
	GOODBODY, ROBERT	De la Vergne Machine Co., Foot East 138th Street, New York, U.S. Clashawaun Jute Factory, Clara, Moate, Ireland.
	GOODBODY, ROBERT	De la Vergne Machine Co., Foot East 138th Street, New York, U.S. Clashawaun Jute Factory, Clara, Moate, Ireland. Chief Mech. Engineer's Dept.,
1877. 1908.	GOODBODY, ROBERT	De la Vergne Machine Co., Foot East 138th Street, New York, U.S. Clashawaun Jute Factory, Clara, Moate, Ireland. (Chief Mech. Engineer's Dept., Midland Rly., Derby.
1877. 1908. 1906. A.M.)	GOODBODY, ROBERT	De la Vergne Machine Co., Foot East 138th Street, New York, U.S. {Clashawaun Jute Factory, Clara, Moate, Ireland. {Chief Mech. Eugineer's Dept., Midland Rly., Derby. {Loco. Dept., G. S. & W. Rly.,
1877. 1908. 1906. A.M.: 1914. M.:	GOODBODY, ROBERT	De la Vergne Machine Co., Foot East 138th Street, New York, U.S. Clashawaun Jute Factory, Clara, Moate, Ireland. (Chief Mech. Engineer's Dept., Midland Rly., Derby. Loco. Dept., G. S. & W. Rly., Inchicore, Dublin.
1877. 1908. 1906. A.M.)	GOODBODY, ROBERT	De la Vergne Machine Co., Foot East 138th Street, New York, U.S. Clashawaun Jute Factory, Clara, Moate, Ireland. Chief Mech. Eugineer's Dept., Midland Rly., Derby. Loco. Dept., G. S. & W. Rly., Inchicore, Dublin. The Lowe, Buglawton, Congleton.
1877. 1908. 1906. A.M.: 1914. M.:	GOODBODY, ROBERT	De la Vergne Machine Co., Foot East 138th Street, New York, U.S. Clashawaun Jute Factory, Clara, Moate, Ireland. (Chief Mech. Engineer's Dept., Midland Rly., Derby. Loco. Dept., G. S. & W. Rly., Inchicore, Dublin.
1877. 1908. 1906. A.M. 1914. M.)	GOODBODY, ROBERT	De la Vergne Machine Co., Foot East 138th Street, New York, U.S. Clashawaun Jute Factory, Clara, Moate, Ireland. Chief Mech. Engineer's Dept., Midland Rly., Derby. Loco. Dept., G. S. & W. Rly., Inchicore, Dublin. The Lowe, Buglawton, Congleton, Works Mgr., Lidgerwood Mfg. Co.,
1877. 1908. 1906. A.M. 1914. M. 1875.	GOODBODY, ROBERT	De la Vergne Machine Co., Foot East 138th Street, New York, U.S. Clashawaun Jute Factory, Clara, Moate, Ireland. Chief Mech. Engineer's Dept., Midland Rly., Derby. Loco. Dept., G. S. & W. Rly., Inchicore, Dublin. The Lowe, Buglawton, Congleton. Works Mgr., Lidgerwood Mfg. Co., Caixa do Correio 84, São Paulo,
1877. 1908. 1906. A.M. 1914. M. 1875. 1901. 1890. 1904. A.M.	GOODBODY, ROBERT	De la Vergne Machine Co., Foot East 138th Street, New York, U.S. {Clashawaun Jute Factory, Clara, Moate, Ireland.} {Chief Mech. Engineer's Dept., Midland Rly., Derby.} {Loco. Dept., G. S. & W. Rly., Inchicore, Dublin. The Lowe, Buglawton, Congleton. {Works Mgr., Lidgerwood Mfg. Co., Caixa do Correio 84, São Paulo, Brazil. The Mount, Bearsden, Glasgow.
1877. 1908. 1906. A.M. 1914. M. 1875.	GOODBODY, ROBERT	De la Vergne Machine Co., Foot East 138th Street, New York, U.S. {Clashawaun Jute Factory, Clara, Moate, Ireland. {Chief Mech. Eugineer's Dept., Midland Rly., Derby. Loco. Dept., G. S. & W. Rly., Inchicore, Dublin. The Lowe, Buglawton, Congleton. Works Mgr., Lidgerwood Mfg. Co., Caixa do Correio 84, São Paulo, Brazil. The Mount, Bearsden, Glasgow. Park House, Gravesend.
1877. 1908. 1906. A.M. 1914. M. 1875. 1901. 1890. 1904. A.M.	GOODBODY, ROBERT	De la Vergne Machine Co., Foot East 138th Street, New York, U.S. Clashawaun Jute Factory, Clara, Moate, Ireland. Chief Mech. Engineer's Dept., Midland Rly., Derby. Loco. Dept., G. S. & W. Rly., Inchicore, Dublin. The Lowe, Buglawton, Congleton, Works Mgr., Lidgerwood Mfg. Co., Caixa do Correio 84, São Paulo, Brazil. The Mount, Bearsden, Glasgow. Park House, Gravesend. Station Road, Gloucester. [Goold,
1877. 1908. 1906. A.M., 1914. M., 1875. 1901. 1890. 1904. A.M., 1913. M., 1889.	GOODBODY, ROBERT	De la Vergne Machine Co., Foot East 138th Street, New York, U.S. Clashawaun Jute Factory, Clara, Moate, Ireland. Chief Mech. Engineer's Dept., Midland Rly., Derby. Loco. Dept., G. S. & W. Rly., Inchicore, Dublin. The Lowe, Buglawton, Congleton. Works Mgr., Lidgerwood Mfg. Co., Caixa do Correio 84, São Paulo, Brazil. The Mount, Bearsden, Glasgow. Park House, Gravesend. (Station Road, Gloucester. [Goold, Gloucester. 938.]
1877. 1908. 1906. A.M., 1914. M., 1875. 1901. 1890. 1904. A.M., 1913. M., 1889.	GOODBODY, ROBERT	De la Vergne Machine Co., Foot East 138th Street, New York, U.S. Clashawaun Jute Factory, Clara, Moate, Ireland. Chief Mech. Eugineer's Dept., Midland Rly., Derby. Loco. Dept., G. S. & W. Rly., Inchicore, Dublin. The Lowe, Buglawton, Congleton. Works Mgr., Lidgerwood Mfg. Co., Caixa do Correio 84, São Paulo, Brazil. The Mount, Bearsden, Glasgow. Park House, Gravesend. (Station Road, Gloucester. [Goold, Gloucester. 933.]
1877. 1908. 1906. A.M., 1914. M., 1875. 1901. 1890. 1904. A.M., 1913. M., 1889.	GOODBODY, ROBERT	De la Vergne Machine Co., Foot East 138th Street, New York, U.S. Clashawaun Jute Factory, Clara, Moate, Ireland. Chief Mech. Eugineer's Dept., Midland Rly., Derby. Loco. Dept., G. S. & W. Rly., Inchicore, Dublin. The Lowe, Buglawton, Congleton. Works Mgr., Lidgerwood Mfg. Co., Caixa do Correio 84, São Paulo, Brazil. The Mount, Bearsden, Glasgow. Park House, Gravesend. (Station Road, Gloucester. [Goold, Gloucester. 933.] Messrs. Cochrane & Co., Ormesby Iron Works, Middlesbrough.
1877. 1908. 1906. A.M., 1914. M., 1875. 1901. 1890. 1904. A.M., 1913. M., 1889.	GOODBODY, ROBERT	De la Vergne Machine Co., Foot East 138th Street, New York, U.S. Clashawaun Jute Factory, Clara, Moate, Ireland. Chief Mech. Engineer's Dept., Midland Rly., Derby. Loco. Dept., G. S. & W. Rly., Inchicore, Dublin. The Lowe, Buglawton, Congleton, Works Mgr., Lidgerwood Mfg. Co., Caixa do Correio 84, São Paulo, Brazil. The Mount, Bearsden, Glasgow. Park House, Gravesend. (Station Road, Gloucester. [Goold, Gloucester. 938.] Messrs. Cochrane & Co., Ormesby Iron Works, Middlesbrough.
1877. 1908. 1906. A.M. 1914. M. 1875. 1901. 1890. 1904. A.M. 1913. M. 1889. 1907. A.M. 1912. M.	GOODBODY, ROBERT	De la Vergne Machine Co., Foot East 138th Street, New York, U.S. Clashawaun Jute Factory, Clara, Moate, Ireland. Chief Mech. Engineer's Dept., Midland Rly., Derby. Loco. Dept., G. S. & W. Rly., Inchicore, Dublin. The Lowe, Buglawton, Congleton. Works Mgr., Lidgerwood Mfg. Co., Caixa do Correio 84, São Paulo, Brazil. The Mount, Bearsden, Glasgow. Park House, Gravesend. Station Road, Gloucester. [Goold, Gloucester. 933.] Messrs. Cochrane & Co., Ormesby Iron Works, Middlesbrough. Managing Director, Messrs. Loudon Brothers, Clyde Engineering
1877. 1908. 1906. A.M., 1914. M., 1875. 1901. 1890. 1904. A.M., 1913. M., 1889. 1907. A.M., 1912. M.	GOODBODY, ROBERT	De la Vergne Machine Co., Foot East 138th Street, New York, U.S. Clashawaun Jute Factory, Clara, Moate, Ireland. Chief Mech. Eugineer's Dept., Midland Rly., Derby. Loco. Dept., G. S. & W. Rly., Inchicore, Dublin. The Lowe, Buglawton, Congleton. Works Mgr., Lidgerwood Mfg. Co., Caixa do Correio 84, São Paulo, Brazil. The Mount, Bearsden, Glasgow. Park House, Gravesend. (Station Road, Gloucester. [Goold, Gloucester. 933.] Messrs. Cochrane & Co., Ormesby Iron Works, Middlesbrough. Managing Director, Messrs. Loudon Brothers, Clyde Engineering Works, Johnstone.
1877. 1908. 1906. A.M., 1914. M., 1875. 1901. 1890. 1904. A.M., 1913. M., 1889. 1907. A.M., 1912. M.	GOODBODY, ROBERT	De la Vergne Machine Co., Foot East 138th Street, New York, U.S. Clashawaun Jute Factory, Clara, Moate, Ireland. Chief Mech. Engineer's Dept., Midland Rly., Derby. Loco. Dept., G. S. & W. Rly., Inchicore, Dublin. The Lowe, Buglawton, Congleton. Works Mgr., Lidgerwood Mfg. Co., Caixa do Correio 84, São Paulo, Brazil. The Mount, Bearsden, Glasgow. Park House, Gravesend. Station Road, Gloucester. [Goold, Gloucester. 933.] Messrs. Cochrane & Co., Ormesby Iron Works, Middlesbrough. Managing Director, Messrs. Loudon Brothers, Clyde Engineering
1877. 1908. 1906. A.M., 1914. M., 1875. 1901. 1890. 1904. A.M., 1913. M., 1889. 1907. A.M., 1912. M.	GOODBODY, ROBERT	De la Vergne Machine Co., Foot East 138th Street, New York, U.S. Clashawaun Jute Factory, Clara, Moate, Ireland. Chief Mech. Eugineer's Dept., Midland Rly., Derby. Loco. Dept., G. S. & W. Rly., Inchicore, Dublin. The Lowe, Buglawton, Congleton. Works Mgr., Lidgerwood Mfg. Co., Caixa do Correio 84, São Paulo, Brazil. The Mount, Bearsden, Glasgow. Park House, Gravesend. (Station Road, Gloucester. [Goold, Gloucester. 933.] Messrs. Cochrane & Co., Ormesby Iron Works, Middlesbrough. Managing Director, Messrs. Loudon Brothers, Clyde Engineering Works, Johnstone. Engineering Laboratory, Uni-

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1915.	Gowing, William Henry	Works Manager, Messrs. Henry Pooley & Son, Albion Works, Kidsgrove, Stoke-on-Trent.
1912.	Graham, Arthur John Wood	c/o T. Mellanby, Hartburn, Stockton-on-Tees.
1902.	GRAHAM, CHARLES KNOTT	Aiuta, 9 Kitson Road, Barnes, S.W.
1898. A.M.) 1904. M.)	GRAHAM, HUBERT BERGER	Messrs. Read & Campbell, 109 Victoria Street, Westminster, S.W.
1907. A.M.) 1913. M.)	Graham, James	National Boiler & General Insce. Co., St. Mary's Parsonage, Man- chester.
	Graham, Jesse	{Craggwood House, Horsforth, Leeds.
1894. A.M.) 1896. M.)	GRAHAM, MAURICE	Stroud House, Freshwater, I.W.
1896.	Graham, Robert	Ponce, Porto Rico.
1900. A.M. 1905. M.	Graham, Walter	Managing Director, Messrs. John Hastie and Co., Kilblain Engine Works, Nicholson St., Greenock.
1900.	GRAHAM, WILLIAM VAUX	[Hastie, Greenock. 133.] 5 Queen Anne's Gate, Westminster, S.W. [Grallator, London. Westminster 656.]
1904.	Grange, Robert Burns	P.O. Box 512, Wellington, New Zealand.
1900.	GRANT, LEWIS	Dunnikier Foundry, Kirkcaldy. (Deceased Jan. 1916.)
1886. G. 1892. M.	GRANT, PERCY	125 de Mayo 158, Buenos Aires,
,	GRAY, GEORGE MACFARLANE (Life Member)	\ Arg. Rep. \ Board of Trade Surveyors' Office, \ Cork.
1879.	GRAY, THOMAS LOWE (Life Member)	Valverdé, Babbacombe Rd., Torquay.
1900.	GREAVEN, ANDREW AUGUSTINE	Estacion los Talleres, F.C. del Sud, Buenos Aires, Argentine Republic.
		Buenos Aires Great Southern Rly.,
1898.	Greaven, Louis	Plaza Constitucion, Buenos Aires, Arg. Rep.
1902.	GREAVES, WILLIAM	28 Bond Street, Leeds. [1195.]
1911.	GREEN, ALFRED ERNEST	Messrs. Dick, Kerr and Co., Strand Road, Preston.
1914.	GREEN, Eng. Commander Donald Percy, R.N	H.M.S. "Lion," c/o Postmaster General, E.C.
1861.	Green, Sir Edward, Bart	Phœnix Works, Wakefield.
1903.	GREEN, EDWARD WILLIAM	Messrs. R. & H. Green and Silley Weir, Blackwall Yard, Blackwall, E. [Green, Blackwall, London. Eastern 309.]
1907.	Green, Henry	Supt., Lloyd's Proving House, Netherton, Dudley.
1899. A.M. 1911. M.	Green, John Singleton	Municipal Offices, Haslingden, Manchester, (Messrs, Thomas Green & Son,
1893.	GREEN, WILLIAM PENROSE	Smithfield Iron Works, Leeds. [Smithfield, Leeds. Central 158.]

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1914.	GREGORY, GEORGE WRIGHT		General Manager, Messrs. Kendall and Gent, Victoria Works, Belle Vue, Manchester.
1907.	GREIG, JAMES SIME	••	Lindean, Perth Road, Dundee.
1892.	GRESHAM, HARRY EDWARD	••	Craven Iron Works, Salford, Manchester. [Brake, Manchester. 613.]
1907.	GRESLEY, HERBERT NIGEL		Locomotive Eng., G.N. Rly., Don- caster.
1895.	GRIFFITH, PERCY		20 Victoria St., Westminster, S.W.
1908.	GRIFFITH, THOMAS HENRY		[Colenga, London. Victoria 5913.] 15 Boulevard Laferrière, Algiers.
1912.	Griffiths, Ernest	••	Messrs. Dargue, Griffiths & Co., Phoenix Works, 138-140 Vauxhall Rd., Liverpool.
1873. A.) 1874. M.)	GRIFFITHS, JOHN ALFRED	••	Nanango, Queensland.
1011.)			Genl. Manager, Messrs. McKenzie
1900. A.M.) 1902. M.)	GRIFFITHS, WILLIAM JOHN		& Holland, Semaphore Iron Works, Newport, Melbourne, Victoria.
1907.	GRIGGS, WILLIAM JAMES	••	Loco. Carr. & Wagon Supt., Govt. Rly., Kingston, Jamaica.
1906.	GRIMSHAW, GEORGE WILLIAM	ď.	Managing Director, Messrs. Peter Pilkington, Dowry Iron Works, Bamber Bridge, Preston.
1906.	GRINDLEY, JOHN HENRY, D.S.	c.	The Studio, College Road, Cork.
1913.	GROVE, EDMUND PHILIP	}	Messrs. Merz and McLellan, Collins House, Collins St., Melbourne, Victoria.
1898.	GROVER, FREDERICK	{	Forgrove Machinery Co., Admiral St., Dewsbury Rd., Leeds. [For- grove, Leeds. 743.]
1907.	GROVES, WILLIAM RICHARD	{	Supt. Eng., G.N. Steamship Fishing Co., St. Andrew's Dock, Hull.
1898.	GUEST, CHARLES HENRY	}	134 London Rd., Derby. [Garage, Derby. Derby 47 Y.]
1903. A.M.) 1915. M.)	GUEST, GEORGE NEVILL		Messrs. Hollings & Guest, Thimble Mill Lane, Aston, Birming- ham.
1884.	Gulland, James Ker	}	Diamond Drill Co., 8 Victoria St., Westminster, S.W. [Gulland, London.]
1870.	GWYNNE, JAMES EGLINTO	N	Folkington, Polegate, R.S.O.,
1911.	GWYNNE, NEVILE GWYN	.)	Sussex.
4041	CHARLE, MEYILLE GWIN	•	Bevendean, Oxshott, Leatherhead.

1902.	HAARER, ERNEST DU CHAILLU	London Hydraulic Power Co., Hatfield St., Southwark, S.E.
1904. A.M.) 1910. M.)	Haden, Charles Ingham	St. George's Works, Trowbridge. [Haden, Trowbridge. 2.]

1904.	Haden, William Nelson	••	Messrs. G. N. Haden & Sons, St. George's Works, Trowbridge.
1888.	HADFIELD, Sir ROBER ABBOTT, D.Sc., D.Met F.R.S. (Member of Council	t.,	[Haden, Trowbridge. 2.] Hecla Works, Sheffield. [Hadfield, Sheffield]; and 22 Carlton House Terrace, S.W. [Regent 107.]
1910.	Hadley, Walter		Messrs. Edwin Danks & Co. (Oldbury), Oldbury, Birmingham.
1902.	HAGGIE, ROBERT HOOD	1	Tyne Holme, Wealdstone, S.O., Middlesex.
1895. A.M. 1901. M.			Rogate House, Worple Road, Wimbledon, S.W.
1905. A.M. 1906. M.			Mechanical Engineer's Office, Royal Arsenal, Woolwich.
1894.	HALL, HENRY PLATT	{	Messrs. Platt Brothers & Co., Hartford New Works, Oldham.
1911. A.M. 1914. M.	HALL, JAMES COCHAR	• •	P.O. Box 768, Durban, Natal.
1881.			Carville, Lawrie Park Rd., Syden- ham, S.E.
1882.	HALL, JOHN WILLIM	• •	71 Temple Row, Birmingham.
1903.		• •	Kingston Mills, Hyde. Hope Foundry, Bury, Lancs.; and
1890.	HALL, OSCAR STANDRING	••)	1 Tenterden St., Bury, Lancs.
1915.	HALL, RICHARD	}	(Supt. Eng., Bibby Steamship Co., 26 Chapel Street, Liverpool.
1910. A.M.	HALL, SIDNEY ZALESKI		Hamside, Poole. [Inventions,
1914. M.	TIAM, SIDNET ZALESKI	•• }	Poole.]
			King's Court, Colmore Row, Bir- mingham; and Ingleside, San-
1874.	HALL, THOMAS BERNARD .	}	don Rd., Edgbaston, Birming- ham. [Tamar, Birmingham.]
1912.	HALL, WILLIAM	{	(18 Caldy Road, Aintree, Liver-
1895. G.1	HALL, Eng. Commander WII	F	H.M.S. "Venerable," 5th Battle
	TTAN BRAGEER D M		Squadron, c/o Postmaster General, E.C.
1889.	HALL-BROWN, EBENEZER	}	Messrs. Richardsons, Westgarth & Co., Middlesbrough.
1871.	HALPIN, DRUITT	{	Carlton House, 45 Harvard Rd.,
1000	HALSTEAD, ARTHUR FREE	1	Gunnersbury, W.
1898,	ERICK	}	Huntly Lodge, Sale, Manchester.
1895.	Halstead, John Henry .		La Administracion, F.C. Central del Uruguay, Monte Video,
1900.	HAMBLY, JOHN	1	Uruguay. (Kalk Bay House, Kalk Bay, vid
1907. A.M.)		[Cape Town, Cape Colony,
1912. M.	TIAMBLE, I ERCY NORL	{	The Coppée Co. (Gt. Britain), King's House, Kingsway, W.C.
1903.	HAMILTON, GEORGE CLAUDE.		Oatlands, Burley, Leeds.
1909.	Hamilton, Hugh Primrose	{	Messrs. Blair & Co., Stockton-on-
1905. A.M. 1913. M.		R {	Tees. Manager, Central Engine Works, Singapore Straits Settlements
,	HAMILTON, Eng. Lieut. John		Singapore, Straits Settlements. (H.M.S. "Blonde," 4th Battle
1904. M.	R.N.	1,	Squadron, c/o Postmaster Gene-
		1	ral, E.C.

Date of Election

and of Transfer		
1904.	HAMILTON, WILLIAM DAVID	59 Bath St., Glasgow. [3973.]
1875.	T W To	The Grange, Knockholt, Seven-
1010.	HAMMOND, WALTER JOHN	Oaks.
1886.	Hanbury, John James	Edgeley, 141 Walm Lane, Cricklewood, N.W. [Genl. Manager, Albany Engineer-
1912.	HANDOLL, HENRY	ing Works, 80 Ossory Rd., Old Kent Rd., S.E.
1901. A.M. 1911. M.	HANNING, WILLIAM	17 Rue de Maubeuge, Paris.
1912.	HARBOTTLE, JOHN	Chief Eng., De Beers Consolidated Mines, Kimberley, Cape Colony.
1912.	Douglas	Works Manager, Rio Tinto Co., Huelva, Spain.
1881.	HARDINGHAM, GEORGE GATTON MELHUISH	Clun House, Surrey St., W.C. [Hardingham, London.]
1894. A.M.	HARDY WILLIAM	Brookside, Newry, Ireland.
	HARDY, WILLIAM EDWARD	(11/2 Praterstrasse 46, Vienna,
1908.	(Life Member)	Austria.
1888.	Hanna Warrana	Messrs. Harker Cable & Co., 110
1000.	HARKER, WILLIAM	Cannon St., E.C. [Ardroccy, London.]
1909.	HARLAND, HENRY PEIRSON	Messrs. Harland & Wolff, Ship- building & Engineering Works, Govan, Glasgow.
1915.	HARLEY, PERCY WILLIAM	Chief Eng., Messrs. Burt, Boulton & Haywood, Prince Regent's
1898.	HARLOCK, EDWARD BAKER	Wharf, Silvertown, E. Newton House, Middlewich.
1894.	HARMER, OSCAR	Messrs. Alfred Herbert & Co., Coventry; and Dalhousie, Spencer
		Park, Coventry.
1913.	HARNETT, WILLIAM FALKINER	Deputy Loco. Carr. and Wagon Supt., Eastern Bengal State Rly., Kanchrapara, India.
1906. A.M.)	HAROLD, Eng. LieutCommr.	H.M.S. "Assistance," c/o Post-
1911. M.)	HAROLD FRANCIS, R.N	master General, E.C.
1899.	HARRAP, GEORGE THOMAS	5 Budge Row, Cannon Street, E.C.
1891.	HARRIS, GORDON	98 Gray's Inn Rd., W.C.
1873.	(HARRIS, RICHARD HENRY (Life Member)	Oak Hill, Surbiton, R.O., Kingston- on-Thames.
1877.	HARRIS, WILLIAM WALLINGTON	Leacroft, 19 Kings Road, Bourne- mouth.
1898. A.M.)	HARRISON, FRANK	(Messrs. Marshall, Sons & Co.,
1898. M.	HARRISON, FRANK	Messrs. D. Young & Co., 11 and 12
1888.	HARRISON, GEORGE	Southempton Bldgs., W.C. [Junkring, London. Holborn 893.]
	HARRISON, Colonel GILBERT	(R. E. Office, 36 Rue du Renard,
1891. M.	HARWOOD, R.E	Rouen, France.
1915. 1885.	HARRISON, HERBERT ARTHUR HARRISON, JOSEPH	Wenallt, Dolgelley, N. Wales. Thorncliffe, Hyde.
1891.	HARRISON, JOSEPH	(Prudential Chambers, Middles-
1031,	(BON	brough,

Date	9 0	f Election	
and	of	Transfer.	

1887.	HARRISON, THOMAS HENRY	Messrs. Davey, Paxman and Co.,
		78 Queen Victoria St., E.C. (Stafford Coal & Iron Co., Stoke-on-
1912.	HARROP, FRANK HAROLD	Trent.
1910.	HART, CHARLES FREDERIC	c/o "New York Times," New York, U.S.
1883.	Hart, Frederick	36 Prospect St., Poughkeepsie, N.Y., U.S.
1915.	HART, GEORGE ADAM	Sewerage Eng., Municipal Offices, Great George Street, Leeds.
1905. A.M.) 1915. M.)		Asst. Mech. Eng., Royal Arsenal, Woolwich.
1901.	HARTLEY, WILLIAM ARCHBOLD	[21 Mosley Street, Newcastle-on- Tyne. [Central 2739.] (Volt Works, Leeds. [Hartnell,
1872.	HARTNELL, WILSON	[Wolt Works, Leeds. [Hartnell, Leeds. 282.]
1906.	{HARTNESS, JAMES (Life Member)	President, Jones & Lamson Machine Co., Springfield, Vermont, U.S.
1883.	HARVEY, Sir ROBERT	Dundridge, Totnes.
1881.	HASLAM, Sir Alfred Seale	[Zero, Derby.] [Zero,
1901. G.)	HASLAM, SIDNEY BERTRAM	11 Windsor Place, Cardiff. [Thor,
1906. A.M. 1911. M.	HASUAM, SIDKHI DEKIBAH	(Cardiff. 2978.]
1898.	HASLAM, WILLIAM GILBERT	Union Foundry, Derby. (Hull Hydraulic Power Co., Machell
1902.	Haswell, Frederick John	St., Hull.
1913.	HASWELL, WILLIAM SPENCE	Milburn House, F. Floor, New- castle-on-Tyne.
1899.	HATCH, WILLIAM THOMAS	Engin-Chief, Metrop. Asylums Board, Sheffield House, Sheffield St., W.C.
1916.	HATCHARD, JOHN GEORGE	P.O. Box 499, Bloemfontein, Orange River Colony.
1885.	HATTON, ROBERT JAMES	Henley's Telegraph Works, N. Woolwich, E.
	Hawes, David Marc Andrew)	99 Mansell St., Aldgate, E.
1910. M.)	(HAWKE, GEORGE RICHARD	(Supt. Eng., Goldfields Water Sup-
1908.	WILLIAM	ply, Perth, Western Australia.
1903. G.) 1907. A.M.	Hawkins, Eustace Fellowes	Capt., 2nd Indian Corps Ammuni-
1911. M.)		tion Park, Expeditionary Force.
1892.	HAWKINS, RUPERT SKELTON	Loco. and Carr. Supt., Assam and Bengal Rly., Pahartali P.O., Chittagong, India.
1905.	HAWKINS, THOMAS WHITEHEAD	Manager, Messrs. John and William McNaught, St. George's Foundry, Rochdale.
1861.	HAWKINS, WILLIAM BAILEY	144 Palmerston House, Bishopsgate Street, E.C.
1870.	(HAWKSLEY, CHARLES (Mem-)	Caxton House, Westminster, S.W.
1900.	HAWKSLEY, KENNETH PHIPSON	Caxton House, Westminster, S.W.
1905. A.M. 1909. M.	HAY JOHN ANGUS	Messrs. Dick, Kerr & Co., Apartado 80, Las Palmas, Canary Islands.
1882.	HAYES, EDWARD	[Watling Works, Stony Stratford.]

1879.	HAYES, JOHN	12 Market St., Carnarvon.
1902.	HAYWARD, THOMAS WILLIAM	(Boro' Surveyor, Municipal Bldgs.,
1302.	ALFRED	Lavender Hill, Battersea, S.W.
		(Engineer and General Manager,
1904. A.M.)	HEAD, HENRY COLEMAN	Winchester Water and Gas
1914. M.	HEAD, HENRY COLEMAN	Co., 19 Staple Garden, Win-
		chester.
1913.	Trun Angeren Cours	(48 Westminster Palace Gdns.,
1919.	HEAP, ARTHUR CECIL	Victoria St., Westminster, S.W.
1890. G.)	Hain Bin Dongrag Transport	(12 Little College Street, West-
1891. M.	HEAP, RAY DOUGLAS THEODORE	minster, S.W.
1005 4 34)		Asst. Inspector of Machy., Mines
1905. A.M.)	HEARN, CHARLES HANBURY	Dept., P.O. Box 1032, Durban,
1909. M.		Natal.
4000	W	(Kiangnan Arsenal, Shanghai,
1898.	HEARSON, HUGH REGINALD	China.
*****		Crown Agents for the Colonies,
1898.	HEATH, ASHTON MARLER	4 Millbank, Westminster, S.W.
1000		Messrs. Dick, Kerr & Co., Abchurch
1899.	HEATH, ELIJAH ARTHUR	Yard, Cannon St., E.C.
		(Messrs. Heath & Co., Observatory
1889.	HEATH, GEORGE WILSON	Works, Crayford, Kent.
4000 4 88 1		(Chief Eng. of Distribution, Tata
1903. A.M.)	HEATH, JAMES FOX	Hydro-Electric Power Supply Co.,
1908. M.	HEATH, JAMES FOX	Navsari Bldgs., Fort, Bombay.
		(Messrs. Heatly and Gresham, 110
1888.	HEATLY, HARRY	Cannon St., E.C.; and The Hoo,
2000,	HEATER, HARRY	Hitchin.
		Brades Steel Works, near Birming-
1897.	HEATON, CHARLES	ham. [Brades, Birmingham.]
		Genl. Manager, Steel Barrel Co.,
1913.	HEATON, THOMAS TANNETT	Phonix Wharf, Uxbridge.
1905. A.M.)		General Electric Co., Witton, Bir-
1909. M.	HEATON, WILLIAM HENRY	mingham.
		4 Chapel Walks, Manchester. [Hee-
1875.	HEENAN, HAMMERSLEY	nan, Manchester. 964 and 966.]
(HELE-SHAW, HENRY SELBY,	64 Victoria St., Westminster, S.W.
1879.	LL.D., D.Sc., F.R.S. (Mem-	[Heleshawce, London, Victoria
20,0,	2 £ C	1291.]
1906, A.M.	HEMMINGS, HENRY FRANCIS	Messrs. Willans & Robinson.
1911. M.	Lewis	Victoria Works, Rugby,
		Messrs. C. and H. Crichton, 4-10
1907.	HENDERSON, HENRY ESDON	Derby Rd., Kirkdale, Liverpool.
1910. A.M.)	TT P. '	Messrs. Livesey, Son and Hender-
1912. M.	HENDERSON, PHILIP	son, 14 South Place, E.C.
	II D 7	(Markham's Buildings, Hout St.,
1912.	HENDRY, ROBERT BELL	Cape Town, Cape Colony.
1070 (1)		Messrs. John H. Wilson & Co., 15
1879. G.)	HENRIQUES, CECIL QUIXANO	Victoria St., Westminster, S.W.
1881. M.	,, ([Drague, London.]
1904.	HENRY, HUBERT DECIMUS	22 Grosvenor Road, Chiswick, W.
		Messrs. John Spencer and Sons,
1907.	HEPPER, JOSEPH	Newburn Steel Works, Newcastle-
	,	on-Tyne,
1900.	HEPWORTH, JOHN WILLIAM	9 Cavendish Rd., Red Hill, Surrey.
		Machine-Tool Works, Coventry;
1892.	HERBERT, ALFRED	and Fieldgate Lane, Kenilworth.
		[Lathe, Coventry, 52.]
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1894.	HERMAN, BENJAMIN RICHARD	McLeod Rd., Karachi, India.
		[Herman, Karachi. 47.] 69 Victoria Street, Westminster,
1884.	HERNU, ARTHUR HENRY	(S.W.
1894.	HERRIOT, WILLIAM SCOTT	Clarewood, Thorntonhall, Lanarks.
1898. A.M.) 1905. M.)		Watchung, New Jersey, United States.
1906.	HERTZ, ALBERT HOLGER	Loco. Supt., Port Talbot Rly. and Docks Co., Port Talbot.
1879. G.1 1882. M.	HESKETH, EVERARD	Messrs. J. and E. Hall, Iron Works, Dartford. [Hesketh, Dartford.]
1908. A.M.		Asst. Loco. Supt., Govt. Railways,
1911. M.	Bruce	Lagos, West Africa.
	HEYWOOD, THOMAS EDWARD)	Hopeville, Inverurie.
1908. M. (HETT)	
7 1905. A.M. 1912. M.	HIBBERD, FREDERICK CHARLES	Messrs. G. D. Peters & Co., Gotha Works, Slough.
1885.	HICKEN, THOMAS	Messrs. T. Roddis, Roade, North-
1000.	HICKER, THOMAS	ampton.
1901. A.M.	HIGGINBOTHAM, GEORGE	Calico Printers' Assocn, St.
1906. M.)	HIGGINBOTHAM, GEORGE	James's Bldgs., Oxford St., Man- chester.
1010	TT W.	Thames View, Woodbine Avenue,
1912.	HIGGINBOTHAM, WALTER	Kingston-on-Thames.
1894.	HIGGINBOTTOM, LLOYD	Crown Iron Works, West Gorton,
	,,	Manchester.
1902.	HIGNETT, ARTHUR HOLLAND	Engin-Chief, Messrs. A. Guinness, Son & Co., St. James' Gate Brewery, Dublin.
1879.	HIGSON, JACOB	Rossland, Northwood, Middlesex.
1903.		Messrs. R. Waygood & Co., Fal-
	TITLDRED, CHARLES WILLIAM	mouth Rd., Great Dover St., S.E.
1902. A.M. 1904. M.	HILDRETH, WILLIAM AUGUS-	c/o Messrs. Alfred Herbert, Ma-
,		chine-Tool Works, Coventry. Loco. Supt., G.E. Rly., Strat-
1901.	HILL, ALFRED JOHN	ford, E.
1902.	HILL, EDMUND LEWIN	Siemens Brothers Dynamo Works Ltd., 196 Deansgate, Manchester.
1883. G.)		Eng. and Manager, West Surrey
1894. M.	Hill, John Kershaw	Water Works, Walton Bridge,
		Walton-on-Thames. (St. George's Engineering Works,
1901.	Hill, Joseph	Wood's Lane, Derby. [Hill,
1912.	HILL, JOSEPH ALBERT	Ordnance Works, Sheffield.
1885.	HILL, ROBERT ANDERSON	14 Third Avenue, Hove, Sussex.
		Genl. Mgr., Midland Coal, Coke &
1909.	HILL, WILLIAM	Iron Co., Apedale, Newcastle,
		Staffs.
1890.	HILLER, EDWARD GEORGE	Chief Eng., National Boiler Insurance Co., St. Mary's Parson-
	TITLER, EDWARD GEORGE	age, Manchester. [Central 2624.]
1899.	HILLER, HENRY KING	39 Victoria St., Westminster, S.W.
1912.	HILLMAN, CECIL ROBERT	(Loco. Supt., São Paulo Railway, São Paulo, Brazil,
1019		(352 Laprida, Buenos Aires, Argen-
1913.	HINDE, GEORGE	tine Republic.

Date	of	Election
and	of '	Transfer.

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1915.	HINDLEY, HABOLD DOUGLAS	Messrs. E. S. Hindley & Sons, Bourton, Dorset.
1897.	HIRAOKA, HIROSHI	The Kisha Seizo Kwaisha, Kinshi- chyo, Honjo, Tokyo, Japan.
1896.	HITCHCOCK, CYRIL	G.I.P. Railway Co., 3 Victoria St., Westminster, S.W.
1899, A.M.) 1901, M.)	HITCHINS, CHARLES FAUNCE	Messrs. Hitchins & Booth, 25 Victoria St., Westminster, S.W.
1911.	Hobart, Henry Metcalf	General Electric Co., Schenectady, New York, U.S.
1898.	Hobbs, Charles James	General Manager, Hydraulic Engineering Co., Chester.
1900. 1896.	Hobson, John Edward Hodges, Marcus Henry	22 Crosby Rd., Birkdale, Southport. City Basin Iron Works, Exeter.
1906.	Hodgson, Percy Frederick	53 Victoria Street, Westminster, S.W.
1910.	Hodgson, Richard Bowness	Manager, Messrs. Ashmore, Benson, Pease & Co., Parkfield Works, Stockton-on-Tees.
1898. A.M.) 1911. M.)	Hodgson, Richard Broom	75 Riverdale Road, Ranmoor, Sheffield.
1901. A.M.) 1913. M.)	Hodsdon, George Charles	Messrs. J. and E. Hall, Dartford.
1886.	Holden, James	Hermon House, 72 Hermon Hill, Wanstead, N.E.
1910. 1895.	HOLDEN, STEPHEN DEWAR HOLGATE, CHARLES HENZELL	Woodstone, Watts Ave., Rochester. 5 Hilton Place, Leeds.
1908. A.M. 1914. M.	HOLL, WILLIAM ESPLIN	P.O. Box 53, Jinga, Uganda.
1905. A.M.) 1910. M.)	HOLLIDAY, CHARLES EDWARD	Messrs. Hans Renold, Kingsway House, Kingsway, W.C.
1895.	Holliday, John	Messrs. A. Guinness, Son & Co., St. James' Gate Brewery, Dublin.
1894. G.) 1896. A.M.)		Kenwood, King's Road, St. Helens,
1907. M.)	MASSEY	Lancs.
1896.	Holman, Frederick	Penzance Foundry, Penzance. (Messrs. C. M. Burls and Partners,
1891.	HOLMAN, HUGH WILSON	4 Lloyd's Avenue, Fenchurch St., E.C. [Burlsator, London.]
1899.	Holmes, John Henry	Portland Rd., Newcastle-on-Tyne; and Wellburn, Jesmond, New- castle-on-Tyne.
1908.	Holmes, Joseph Cornelius	"The Morning Post," 346 Strand, W.C.
1896.	Holmes, Percy Frederick	Whitestone Iron Works and Turn- bridge Foundries, Huddersfield.
1903. A.M.) 1909. M.)	HOLMES, RICHARD JOHN MON-	[Holmes, Huddersfield. 113.] 54 Rye Hill, Newcastle-on-Tyne.
1908. A.M.) 1912. M.)	Worsley	Deputy Loco. Supt., Nigerian Eastern Rly., Port Harcourt, Nigeria.
1906. A.M.) 1914. M.)	Holt, Robert Bickerstaffe	Eng., Highways and Permanent Way Dept., 155 Kirkstall Road, Leeds.
1888.	Homan, Harold	Senlac, Hockering Rd., Woking.

	1910.	Home-Morton, Andrew	Eldon Street House, 2 Eldon St., E.C. [Notromemoh, Ave, London. London Wall 1013.]
	1892.	HOME-MORTON, DAVID	[Counsel, Glasgow. Central 9645.]
	1903.	HOMERSHAM, THOMAS HENRY COLLETT	Works Manager, Messrs. Thwaites Brothers, Vulcan Iron Works, Bradford.
	1898. A.M.) 1901. M.)	Honiball, Charles Roland	156-162 Boundary St., Liverpool. [Honiball, Liverpool. Central 5583.]
	1890.	Hooker, Benjamin	Blackhorse Lane, Walthamstow, N.E.
	1904.	Hookham, John Albert	Works Manager, Loco. Works, N. Staffs. Rly., Stoke-on-Trent.
	1902. A.M.) 1909. M.)	HOPE, ALARIC	Chief Eng., Cardiff Rly. Co., Cardiff.
	1913.	HOPE, JAMES LAIDLAW	United Engineers, Singapore, Straits Settlements.
	1914.	Hopkins, Charles Yeomans	Mechanical Products Co., Armoury Close, Bordesley Green, Birming- ham.
	1900. G.)		
	1901. A.M. 1905. M.	Hopkinson, Allen Haigh	(Britannia Works, Huddersfield. [Hopkinson, Huddersfield. 169.]
20203	1904.	HOPKINSON, Professor BER-	Engineering Laboratory, The Uni-
eea		TRAM, F.R.S. (Life Member)	versity, Cambridge.
	1885.	Hopkinson, Charles	The Limes, Didsbury, Manchester. (Park Works, Newton Heath, Man-
	1894.	(HOPKINSON, EDWARD, D.Sc. (Vice-President)	chester; and Ferns, Alderley Edge, Cheshire.
	1909.	Hopkinson, Frank Addy	Messrs. J. Hopkinson & Co., Britannia Works, Huddersfield.
	1890.	HOPPER, JAMES RUSSELL	Messrs. William Hopper & Co.,
	1906. A.M.)	77	Moscow, Russia. (Bengal - Nagpur Rly., Khargpur,
	1909. M.	Hornett, William George	Bengal, India. (Electric Light and Tramways
	1899.	Hosgood, Octavious Sidney	Dept., Roath Power Stn., Roath, Cardiff.
	1891, G.)	TT TT 7	Chief Mech. Eng., Beira and
	1897. M.)	Hosgood, Walter James	Mashonaland Rly., Umtali, Rhodesia.
	1889.	Hosken, Richard	P.O. Box 667, Johannesburg, Transvaal.
	1902.	Hoskins, George John	Messrs. G. and C. Hoskins, Sydney, N.S.W.
	1908.	HOUFE, WALTER WILLIAM	Messrs. Butterfield & Swire, French Bund, Shanghai, China.
	1889.	HOUGHTON, THOMAS HARRY	63 Pitt St., Sydney, N.S.W. [Expansion, Sydney.]
	1907. A.M.) 1914. M.)	Hounsfield, Leslie Hay-	Sunnybank, Duppas Hill Road, Croydon.
		HOUSEMAN, CHARLES LAW-	P.O. Box 322, Bulawayo, Rhodesia.
	1912.	How, Thomas William	17 Victoria Street, Westminster, S.W.

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1864. Howard, Eliot	Messrs. Hayward Tyler & Co., 99 Queen Victoria St., E.C. [Tyle-
1904. A.M. HOWARD, HENLEY LIONEL .	[rox, London. Bank 192.] [M.A.N. Co., Caxton House, Westminster, S.W.
1897. Howard, Henry Fox	Messrs. Hayward Tyler & Co., 99 Queen Victoria St., E.C. [Tyle-
1000 0	rox, London. Bank 192.]
1879. G. HOWARD, JAMES HAROLD	Britannia Iron Works, Bedford; and The Grange, Kempston, Bedford.
1911. Howard, John	- Carrier of the Contract of t
1896. {Howarth, Alfred Mont	. Sydney, N.S.W.
1877. HOWELL, SAMUEL EARNSHAW 1902. G.)	Brook Steel Works, Brookhill, Sheffield. [Howell, Sheffield.]
1902. G. 1904. A.M. 1914. M. HOWELL, THOMAS BRAITH	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4
	Messrs. Lee Howl & Co., Tipton.
1882. Howl, Edmund	· [Howl, Tipton.]
1877. HOWLETT, FRANCIS	28 Victoria St., Westminster, S.W.
(HOVI Tuesda December	[Brickpress, London.] G (Messrs. Thomas Firth & Sons.
(Vice-President)	\$ 3T - 0 13 TIT 1 C1 C0 27
1907. G.)	(Crossler Motors Ttd Corter Tone
1913. A.M. HUBBLE, ARTHUR WILLIAM . 1916. M.	· { Manchester.
1915. {Hubert, Professor Herman Victor	Corra Linn, Knyveton Road, Bournemouth,
1902. A.M.) HUDSON, GERARD (Life Mem	- j(Driver), H.M. Forces, Nairobi,
1913. M. <i>ber</i>)	British East Africa.
(Hugana Engine Warran	Stocks Lane, Stalybridge. (15 Priory Court, West Hampstead,
MACKENZIE	N.W.
1899. A.M.) HUGHES, FRANCIS EDWARD	Messrs. Morrison & Co., 11 Queen
1911. M.) HAROLD	Victoria St., E.C. Chief Mech. Eng., Lancs. & Yorks.
of Council)	
1889. HUGHES, JOHN	16 Wistonia Ct Wastmington C W.
1891. Hughes, Robert M	(India.
1909. HULL, JAMES HENRY	Engineering Mgr., Cordite Factory, Aruvankadu, Nilgiris, India.
	Messrs. Royce Ltd., Trafford Park,
1902. HULLEY, RICHARD DODSON	
1916. HULME, CHABLES	Manager, Uxbridge Gas Co., Gas Works, Uxbridge.
1000	Chief Mech. Eng., W. Australian
1906. Hume, Edward Shotton	Govt. Rlys., Midland Junction, W. Australia.
1903. Humpage, Thomas	Messrs. Humpage, Thompson and Hardy, Jacob St., Bristol.
1899. Humphrey, Herbert Alfred	[38 Victoria St., Westminster, S.W.] [Gazonner, London.]
1900. HUMPHREYS, HENRY HOWARD	28 Victoria St., Westminster, S.W.
1909. Humphryes, James Hulse	Messrs. Braithwaite and Kirk, 117
· · · · · · · · · · · · · · · · · · ·	Victoria St., Westminster, S.W.

	(Ma	essrs. G. J. Worssam & Son,
1899. A.M.)	HUNT, HENRY	Wenlock Rd City Rd. N. and
1904. M.	HOMI, HERME	Wenlock Rd., City Rd., N.; and Cotsford, Uplands Park, Enfield.
1898.	HUNT, ROBERT WOOLSTON 113	37 The Rookery, Chicago, Ill., U.S.
1901.	TI (Th	e Machine Tool Co., Ltd.,
1901.		Nottingham,
1899.		essrs. T. and W. Smith, Guild-
1033.		hall, Newcastle-on-Tyne.
1913.		s. Eng., Nitrate Railways Co.,
1010,		Iquique, Chile.
		ech. Engineer's Dept., L. & S.W.
1906.		Rly., Eastleigh Loco. Works,
		Hants.
	(Ge	enl. Manager, N.E. Marine
1902.	HUNTER, SUMMERS	Engineering Co., Wallsend,
		R.S.O., Northumberland. [News,
1001 (1)		Wallsend.]
1901. G.)	T To T (24	Langford Road, Heaton Chapel,
1915. M.	Hurst, Joseph Henry	Langford Road, Heaton Chapel, Stockport,
1915. M.)	(Huskisson, William Mar- (M	
1 915.		Works, Openshaw, Manchester.
1905.		Rue du Ranelagh, Paris.
1899. G.)		· .
1905. A.M.	HUTCHISON, PERCY {Me	essrs. Babcock & Wilcox, 1A Jinkee Rd., Shanghai, China.
1915. M.		Jinkee Rd., Shanghai, China.
1912.	HUTTON, WILLIAM MACK Ki	nghorn, Fife.
1894. A.M.)	HYDE, GEORGE HERBERT MAC-)	The tare Colomba Comlan
1901. M.	CABIRI (Livie Mellivoel)	ovt. Factory, Colombo, Ceylon.
	(Si	r W. G. Armstrong, Whitworth &
1907.	HYDE, PHILIP ARMROID }	Co., Elswick Works, Newcastle- on-Tyne.
		on-Tyne.
1914.	Hynd, John P.	O. Box 4, Bulawayo, Rhodesia.

1913.	TOWN WALTER JAMES	3 Heath Mansions, Putney Heath Lane, S.W.
1310.	IDEN, WALLES	Lane, S.W.
1909.	Towns Two Powers	125 de Mayo 158, Buenos Aires,
1909.	IEVERS, EYRE FRANCIS	25 de Mayo 158, Buenos Aires, Arg. Rep.
1882.	Travers Witters	40 Blackfriars St., Manchester. [4681.]
	INGHAM, WILLIAM	[4681.]
100K A W)		Chief Eng., Rand Water Board, P.O. Box 1703, Johannesburg, Transvaal.
1000 M.M.	INGHAM, WILLIAM	P.O. Box 1703, Johannesburg,
1898. 11.)		Transvaal.
1888.	INGLEBY, JOSEPH	20 Mount St., Manchester.
1905.	TWODAY ATERED	Room 752, Armament Buildings, Whitehall, S.W.
1900.		
1903.	INGRAM, SAMUEL	County Surveyor, Whipton, Exeter.
		(Res. Eng., Rangoon Municipality,
1914.	INNES, WILLIAM BALBIRNIE	Compressor Station, Rangoon,
		British Burma.
1007	Tarayan Torra Taran	31 Valentine Rd., King's Heath, Birmingham.
1907.	INNISS, JUHN JAMES	Birmingham.
		100

-	-	
1883.	Instone, Thomas	(31 Portchester Road, Bourne, mouth.
1910.	IRELAND, WILLIAM EDWARD	Rolling Stock Supt., L.C.C. Tram- ways, 62 Finsbury Pavement, E.C.
1892.	IRONS, THOMAS	New South Wales.
1914.	IRWIN, GEORGE CHARLES	Genl. Manager, Messrs. S. H. Johnson & Co., Engineering Works, Carpenters Road, Stratford, E.
1887.	{IVATT, HENRY ALFRED (Mem-) ber of Council)	St. Clair, Haywards Heath.

1907.	Jack, Alexander	Cameron St., Motherwell.
1909.	JACK, FREDERIC BARRIE	Worthington Pump Co., 153 Queen
	,	Victoria Street, E.C.
	(JACKS, THOMAS WILLIAM	Messrs. William Beardmore & Co., Parkhead, Glasgow; and 13
1884.	JACKS, THOMAS WILLIAM MOSELEY	Queensborough Gdns., Kelvin-
	(110811111	side, Glasgow.
	-	United Alkali Co., Allhusen's
1907.	Jackson, Albert	Works, Gateshead.
1898.	Jackson, Algernon Brooker	16 Great Tower St., E.C.
		Chief Eng., Electric Light and
1904.	Jackson, Gerald Hart	Power Co., 25 Bridge St., North-
		ampton. [183.] (Caxton St., Anniesland, Glasgow.
1900. A	.M.) JACKSON, HAROLD DRINK-	[Telemeter, Glasgow, Hillhead
1906.	M. WATER	122.7
1000	(Jackson, Sir John, M.P.,	(53 Victoria St., Westminster, S.W.
1899.	LL.D., F.R.S.E	[Cofferdam, London.]
1000 A		Newcastle-on-Tyne Electric Supply
1912.	.M. Jackson, John William	Co., Philadelphia Power Stn.,
2012.	224)	Fence Houses.
1895.	JACKSON, ROBERT CATTLEY	120 9th Street, Sunnyside, Calgary, Alberta, Canada.
		(Dunollie, Scotland Lane, Hors-
1886.	Jackson, Thomas	forth, Leeds.
1876.	JACOBS, CHARLES MATTATHIAS	78 Gracechurch St., E.C. [Vexil-
1010	•	[lum, London.]
1878.	JAKEMAN, CHRISTOPHER JOHN	Larkfield, St. James' Road, Hamp-
	WALLACE	ton Hill, Middx. (Dist. Loco. Supt., Assam & Bengal
1911.	JAMES, ALFRED	Rly., Pahartali, Chittagong.
		India.
		(Messrs. Richard Hornsby & Sons,
1900.	James, Charles	Spittlegate Iron Works, Gran-
		tham.
1889.	JAMES, CHARLES WILLIAM	British Oxygen Works, Walker Gate, Newcastle-on-Tyne,
		Case, Mencasule-on-Tyne.

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		(Messrs. Joshua Buckton & Co.,
1895.	JAMES, CHRISTOPHER WILLIAM	Well House Foundry, Meadow
		Rd., Leeds.
1000	T D W.	1 Queen Victoria St., E.C. [Lode-
1889.	James, Reginald William	stone, London. Bank 317.
		(Carr. and Wagon Dept., Mid. Rly.,
1899.	JAMES, THOMAS	Derby.
1000 A 3/ \		
1898. A.M.)	JAMES, WILLIAM HENRY	Principal, College of Engineering,
1901. M.		Chepank, Madras, India.
		(Winchester House, Victoria Sq.,
1902. A.M.)	JAMES-CARRINGTON, HENRY	Birmingham; and Hollies, Poplar
1914. M.	VAMES-CAMMINGTON, ILEMAN	Avenue, Edgbaston, Birming-
		ham.
*****	(JAQUES, Captain WILLIAM	(Little Boar's Head, New Hamp-
1888.	HENRY	shire, U.S.
	•	(88 Trinity Road, Handsworth,
1912.	JARMAIN, EDWARD ALBERT	
1000 A M/)		Birmingham.
1902. A.M.)	JARVIS, RICHARD	Kia Ora, 24 Lincoln Road, Black-
1906. M.		(pool.
1910.	JEFFCOTT, HENRY HOMAN	Royal College of Science, Dublin.
1901.	JEFFERIES, HABOLD SELLIS	(Orwell Works, Ipswich. [Ransomes,
1901.	JEFFERIES, HAROLD SELLIS	Ipswich. 11.]
		Messrs. Tangyes, Cornwall Works,
1881.	JEFFERISS, THOMAS	Soho, Birmingham. [Tangyes,
2004		Birmingham.]
1877. G.)		
		Monk Bridge Iron and Steel Co.,
1882. M.		Leeds.
1902.	JEFFREYS, JOHN	Barrons Place, Waterloo Road,
		(S.E.
1893.	JENKIN, Professor CHARLES	(34 FitzGeorge Avenue, West Ken-
	FREWEN	sington, W.
1893. A.M.)	Tourses Control Traces	40 Andre Deed Bireline M
1911. M.	JENKIN, CHARLES JAMES	46 Arden Road, Finchley, N.
		(Messrs, J. Jamieson & Co., Queen's
1894.	JENKIN, THOMAS HENRY	Dock Chbrs., Hull. [Propeller,
20021	omining anomals armine	
1000 (1)		[Hull. 94.]
1880. G.)		38 Southwood Avenue, Highgate, N.
1886. M.	Towns III	
1893.	JENNINS, HENRY HORWOOD	180 Chapeltown Road, Leeds.
		Messrs. Harrison, Son & Jobson,
1910.	Jobson, George	{ Prudential Chambers, Middles-
		brough.
1897. A.M.)	Torres Conse	Messrs. Vickers Ltd., River Don
1901. M.		Works, Sheffield.
1907.	JOHNS, JOHN HENRY	Thorsden, Guildford Road, Woking.
1906. A.M.)		
1913. M.		Wilbury, Seaford, Sussex.
	Tamana Cara Tamana	
1915.		10 Riverside Road, Norwich.
1896. G.)	Tamasan II.	10 T 11 T T T T T T T T T T T T T T T T
1903. A.M.	JOHNSON, HENRY HOWARD	10 Buckingham Road, Brighton.
1910. M.		
	1	(Canadian-American Machinery Co.,
1906.	JOHNSON, HENRY THEOPHILUS	8 Bouverie Street, Fleet Street,
		E.C.
4000	T	Moorfields House, York Street,
1890.	JOHNSON, JOHN WILLIAM	Clitheroe.
		The Churtwynde, Hindhead, Hasle-
1888.		
	JOHNSON, LAWRENCE POTTER	
2000.	Johnson, Lawrence Potter	mere, Surrey.

1914.	Johnson, Walter	Chief Eng., Messrs. Abram Lyle and Sons, Plaistow Wharf, Vic-
1311.	JOHNSON, WALLER	toria Docks, E.
1911.	Johnson, William	[Manchester Ship Canal Co., 41 Spring Gardens, Manchester. [Former Member 1886–1889.]
1906.	Johnston, Alexander	Supt., P. W. D., Sandakan, Brit. North Borneo.
1900. A.M.) 1904. M.)	Johnston, Charles Morison	Boro' Electrical Eng., Electricity Works, Shrewsbury.
1896.	JOHNSTON, JAMES	Chief Eng., Corpn. Water Works, 12 Bond St., Brighton. [140.]
1907.	JOLLY, CHARLES EUSTACE	Midland Hotel, Birmingham.
1911.	Jones, Albert Edward	Whitehead Torpedo Works, Fiume, Hungary.
1890. G.) 1899. A.M.) 1905. M.	Jones, Arthur Dansey	Outdoor Loco. Supt., S.E. & C. Rly., London Bridge, S.E.
1891.	Jones, Charles Frederick	104 Chorley New Road, Bolton.
1911.	Jones, Charles Lewis	Chief Mech. Eng., Messrs. D. Davis and Sons, Ferndale, Rhondda, Glam.
1873.	JONES, EDWARD (Life Member)	(c/o Peter Frank, Holford House, Perry Barr, Birmingham.
1906. A.M.) 1914. M.)	Jones, Frederick	(204 Albany Road, Cardiff. [Abbey, Cardiff.]
1912.	Jones, Frederick Monk-	Marine and Eng. Supt., Messrs.
	HOUSE	Cosens & Co., Weymouth. [269.] (Silverthorn, Camden Park, Tun-
1878.	Jones, Frederick Robert	bridge Wells.
1903.	Jones, George Phillips	Works Manager, Britannia Foundry, Loughborough; and 65 Forest Rd., Loughborough.
1878.	Jones, Harry Edward	142-3 Palace Chbrs., Bridge St., Westminster, S.W.
1881.	JONES, HERBERT EDWARD	Loco., Carr. & Wagon Supt., Cambrian Rlys., Oswestry.
1882.	JONES, SAMUEL GILBERT	Steanbridge House, near Stroud, Glos.
		Municipal School of Technology, Sackville St., Manchester; and
1887.	Jones, Thomas	4 Manley Road, Alexandra Park,
1900.	Jones, Walter	Manchester. Titan Works, Stourbridge.
1883.	JORDAN, EDWARD	Manager, Cardiff Junction Dry Dock and Engineering Works,
		Cardiff. (Municipal School of Technology,
1891.	JORDAN, HENRY GEORGE	Sackville St., Manchester; and 6 Manley Rd., Whalley Range, Manchester.
1910.	Joughins, George Robert	Supt. of Motive Power, Canadian Govt.Rlys., Moncton, New Bruns- wick, Canada.
1913.	JOY, BASIL HUMBERT	28 Victoria Street, Westminster, S.W.
1891.	JUDD, JOSEPH HENRY	The Yews, Heaton Moor, Stock-port.
		L L

Date	of	El	ecti	on
and o	f	[ra	nsf	er.

1011	JUDE, ALEXANDER ARCHIE \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
1911.	mingham. (Norwich Chambers, Sydney, New
1912.	JULIUS, GEORGE ALFRED (Norwich Chambers, Sydney, New South Wales.
1884.	JUSTICE, HOWARD RUDULPH (29 Lancaster Rd., West Dulwich, S.E.

1911. KANTHACK, FRANCIS EDGAR 1912. KAYE, LOUIS JAMES 1904. KAYE, WALTER KELITA 1900. A.M. 1903. M. 1904. KEATINGE, Staff Captain SHERBBROOKE AUGUSTUS JOHN 1904. KEAY, JAMES 1905. KEAY, JAMES 1889. M. 1906. KEAY, JAMES ALFRED 1907. KEEN, FRANCIS WATKINS 1908. M. 1909. KEEN, FRANCIS WATKINS 1909. KEIGHTLEY, ALFRED PERCIVAL 1909. KEICHTLEY, ALFRED PERCIVAL 1909. KELLOW, MOSES 1910. KELLOW, MOSES 1911. KELLOW, MOSES 1912. KEMPE, HARRY ROBERT 1915. KEMPSTER, JOHN WESTBEECH 1881. KENDAL, RAMSEY 1916. KENNEDY, Sir ALEXANDER 1879. KENNEDY, Sir ALEXANDER 1879. KENNEDY, THOMAS 1892. KENNEDY, THOMAS 1892. KENNEDY, THOMAS 1892. KENNEDY, THOMAS 1904. KAYE, LOUIS JAMES AUGUSTUS 47 Boulevard de Magenta, Paris, Lock Works, Hunslet, Creds. 47 Boulevard de Magenta, Paris, Lock Works, Hunslet, Loeds. 1904. Works, Corporation St., Birmingham. [Keay, Birmingham. [Keay, Birmingham.] Kear, Leeds. 1906. Works, Hunslet, Loeds. 1906. Works, Hunslet, Leeds. 1907. To Boulevard de Magenta, Paris, Lock Works, Hunslet, Leeds. 1906. Works, Hunslet, Leeds. 1906. Works, Hunslet, Leeds. 1907. To Boulevard de Magenta, Paris, Lock Works, Hunslet, Leeds. 1906. Works, Hunslet, Leeds. 1906. Works, Hunslet, Leeds. 1907. To Boulevard de Magenta, Paris, Lock Works, Hunslet, Leeds. 1976. Oct. Works, Paringdon Avenue, E.C. Messrs. Alfred Herbert (Prance). 1971. North Western Hotel, Liverpool. North Western Hotel, Liverpool. 1971. Oct. Works, Paringdon Avenue, E.C. Messrs. Alare 1979. Oct. Messrs. Alfred Herbert 1979. Oct. Works, Paringdon Avenue, E.C. Messrs. William Doxford and Sons, Pallion Yard, Sunder- land. Beleave & William, LL, L. Messrs. 1970. Oct. Messrs. 1970. Oct. Works, Paringdon			
1912. KAYE, LOUIS JAMES	1911.	KANTHACK, FRANCIS EDGAR	
1904. KAYE, WALTER KELITA 1900. A.M. 1903. M. KEATINGE, Staff Captain SHERBROOKE AUGUSTUS JOHN 1904. KEAY, JAMES 1905. KEAY, JAMES ALFRED 1883. G. 1889. M. KEEN, FRANCIS WATKINS 1901. KEIGHTLEY, ALFRED PERCIVAL 1904. KETH, JAMES 1911. KELLER, KARL OTTO 1912. KEMPALE, HARRY ROBERT 1915. KEMPSTER, JOHN WESTBEECH 1916. KENNEDY, SIR ALEXANDER BLACKIE WILLIAM, LL.D., F.R.S. (Past-President) 1916. (KENNEDY, Major DONALD STORM) 1916. (KENNEDY, Major DONALD STORM) 1809. KENNEDY, Major DONALD STORM 1809. KENNEDY TROMAS 1800. North Western Hotel, Liverpool. Morth Western Hotel, Liverpool. Princes Chbrs, Corporation St., Birmingham. [Keay,	1912.	KAYE, LOUIS JAMES	
1900. A.M. SHERBROOKE AUGUSTUS JOHN 1904. KEAY, JAMES	1904.	KAYE, WALTER KELITA	Lock Works, Hunslet, Leeds.
1903. M. Sherbrooke John	1000 4 3/	(KEATINGE, Staff Captain)	[[weage, Deeds. 500.]
1904. KEAY, JAMES			North Western Hotel, Liverpool.
1905. KEAY, JAMES ALFRED 1889. G. 1889. M. KEEN, FRANCIS WATKINS 1901. KEIGHTLEY, ALFRED PERCIVAL 1904. KEITH, JAMES 1911. KELLEB, KARL OTTO 1913. KELLOW, MOSES 1914. KEMPAL, JAMES HERMANN ROSENTHAL 1915. KEMPSTER, JOHN WESTBEECH 1881. KENDAL, RAMSEY 1881. KENDAL, RAMSEY 1881. KENNEDY, Sir ALEXANDER BLACKIE WILLIAM, LIL.D., F.R.S. (Past-President) 1911. A.M. 1915. M. KENNEDY, CHARLES 1892. KENNEDY, Major DONALD STUART, A.S.C 1893. KENNEDY, Major DONALD STUART, A.S.C 1894. KENNEDY, THOMAS 1896. KENNEDY, THOMAS 1897. KENNEDY, Major DONALD STUART, A.S.C 1898. KENNEDY, Major DONALD STUART, A.S.C 1899. KENNEDY, THOMAS 1899. KENNEDY THOMAS 1899. KENNEDY THOMAS 1898. KENNEDY THOMAS 1899. KENNEDY THOMAS 1890. Thomas Saransomes, Sims & Jefferies, Orwell Works, Ipswich 27 Farringdon Avenue, E.C. (Messrs. Ransomes, Sims & Jefferies, Orwell Works, Ipswich 27 Farringdon Avenue, E.C. (Messrs. Puringdon Avenue, E.C. (Messrs. William Doxford and Sons, Pallion Yard, Sunderland 1891. Messrs. Ransomes, Sims & Jefferies, Orwell Works, Ipswich 27 Farringdon Avenue, E.C. (Messrs. Puringdon Avenue, E.C. (Messrs. Walliam Doxford and Sons, Pallion Yard, Sunderland 1801. Meslow Jefferies, Orwell Works, Ipswich 27 Farringdon Avenue, E.C. (Messrs. Parningdon Avenue, E.C. (Messrs. Parningdon Avenue, E.C. (Messrs. Walliam Doxford and Sons, Pallion Yard, Sunderland 1802. Meslow Jefferies, Orwell Works, Ipswich 1803. Meslow Jefferies (Orwell Works, Ipswich 1804. Meslow Jefferies (Orwell Works, Ipswich 1805. Meslow Jeffe	1904.	KEAY, JAMES	Birmingham. [Keay, Birming-
1901. KEIGHTLEY, ALFRED PERCIVAL 1904. KEITH, JAMES		Keay, James Alfred	British United Shoe Machinery Co., Union Works, Belgrave Rd.,
1904. KEITH, JAMES		KEEN, FRANCIS WATKINS	,
1914. KEITH, JAMES	1901.	KEIGHTLEY, ALFRED PERCIVAL	
1911. Keller, Karl Otto Sons, Pallion Yard, Sunderland. 1913. Kellow, Moses	1904.	KEITH, JAMES	27 Farringdon Avenue, E.C.
1813. KELLOW, MOSES 1889. {KEMNAL, JAMES HERMANN ROSENTHAL	1911.	Keller, Karl Otto	Sons, Pallion Yard, Sunder-
1912. KEMPE, HARRY ROBERT	1913.	Kellow, Moses	
1912. Kempe, Harry Robert	1889.		
1915. KEMPSTER, JOHN WESTBEECH 1881. KENDAL, RAMSEY	1912.		
1881. KENDAL, RAMSEY			(Managing Director, Messrs. Har-
Wimbledon, S.W. KENNEDY, Sir Alexander BLACKIE WILLIAM, LL.D., F.R.S. (Past-President) 1911. A.M. 1915. M. KENNEDY, CHARLES STUART, A.S.C. Wimbledon, S.W. Emeritus Prof. of Engineering, Univ. Coll., London: 17 Victoria St., Westminster, S.W. [Kine- matic, London.] Townhead of Glencairn, Thornhill, Dumfriesshire. STUART, A.S.C. The Glenfield Engineering Works,	1915.	KEMPSTER, JOHN WESTBEECH	Island, Belfast.
1879. REINNEDY, SIT ALEXANDER Univ. Coll., London: 17 Victoria St., Westminster, S.W. [Kinematic, London.]	1881.	Kendal, Ramser	Wimbledon, S.W.
1911. A.M. KENNEDY, CHARLES Townhead of Glencairn, Thornhill, Dumfriesshire. 1916. KENNEDY, Major Donald STUART, A.S.C. STUART, A.S.C. STUART, THOMAS Thom	1879.	BLACKIE WILLIAM, LL.D.,	Univ. Coll., London: 17 Victoria St., Westminster, S.W. [Kine-
1916. STUART, A.S.C G.H.Q., British Expeditionary Force. The Glenfield Engineering Works,		KENNEDY, CHARLES	Townhead of Glencairn, Thornhill, Dumfriesshire.
The Glenfield Engineering Works,	1916.	Classian A Cl Cl	G.H.Q., British Expeditionary
	1892.	KENNEDY, THOMAS	The Glenfield Engineering Works,

	1875. {	KENRICK, Sir GEORGE HAMIL-	Messrs. A. Kenrick & Sons, Spon Lane, West Bromwich; and
	(TON	Whetstone, Somerset Rd., Edg- baston, Birmingham.
	1902.	Kenrick, John Archibald	Messrs, Archibald Kenrick & Sons, Spon Lane, West Bromwich; and Harborne House, Harborne, Birmingham.
	1907.	KERFOOT, JAMES	Manager, Ewo Cotton Spinning and Weaving Co., Shanghai, China.
	1906. 1896. A.M.) 1900. M.)	KERR, ALFRED ERNEST CAMP- BELL (Life Member)	35 The Temple, Dale St., Liverpool. 7 Lydiard St., Ballarat, Victoria.
	1898 A M 1	KERR, JAMES B	Messrs. Capel & Co., 168 Dalston Lane, N.E.
	1903.	Ketr, George	11 Queen Victoria St., E.C. [Hoisters, London. Bank 8356.]
	1907. A.M. 1912. M.	KETTLE, LAURENCE JOSEPH	Dublin Electricity Works, Pigeon House Fort, Dublin.
	1 913.	Keyms, Thomas Booth	5 Fernside Villas, Summerhill South, Cork.
	1885. G. 1888. M.	Keyworth, Thomas Egerton	Central Cuban Rlys., Sagua la Grande, Cuba.
	1912.	Kidd, Fred	San Salvador Spanish Iron Ore Co., Astillero, Prov. de Santander, Spain.
	1885.	Kidd, Hector	15 Mansfield St., Glebe Point, Sydney, N.S.W.
	1903. A.M.) 1907. M.)	KIDD, JOHN WILLIAM	The Leeds Forge, Leeds.
	1916.	KIDD, WILLIAM JOHN	40 Selborne Street, Princes Road, Liverpool.
	1894.	Kiernan, George	Gen'l. Manager, Messrs. Gresham and Craven, Craven Iron Works, Salford, Manchester.
•	1888.	Кікисні, Куого	Supt. Eng., Hirano Spinning Mill, Osaka, Japan.
	1899.	KILGOUR, MARTIN HAMILTON	Holly Hall, Harrison St., East Orange, N.J., U.S.
	1899. G. 1901. A.M. 1907. M.	Kimber, Harry Watkins	Messrs. Dick, Kerr & Co., Abchurch Yard, Cannon St., E.C.
	1895.	King, Charles Penrose	Eng., Bexhill Water & Gas Co., 5 Sedgwick Rd., Bexhill-on-Sea.
	1900.	King, Charles Philip	85 Upper Richmond Rd., Putney, S.W.
	1901. A.M. 1914. M.	King, Ernest	Messrs. Mellowes & Co., 26 Victoria St., Westminster, S.W. [c/o Mellowes, London. Victoria 4569.]
	1897.	KING, HENRY CHARLES	G.W. Rly. Works, Swindon.
	1902. A.M. 1908. M.	KING, HENRY JAMES HUBERT	Nailsworth, Stroud, Glos.
	1872.	King, William	5 Beach Lawn, Waterloo, Liverpool. 101 Leadenhall St., E.C. [Com-
	1884.	KIRKALDY, JOHN	pactum, London.]
	1916.	KIRKHOUSE, BEDLINGTON HOWEL	Broken Hill Proprietary Steel Works, Newcastle, New South Wales.

Date	of	Election
and	of	Transfer.

1912.	Kirkwood, James Emmett	Engin-charge, York Street Flax Spinning Co., Muckamore, Belfast.
1902. A.	G.) M KITSELL, ARCHIBALD EDWARD	2 Park Place, Maize Hill, Greenwich, S.E.
1889.	KNAP, CONBAD	11 Queen Victoria St., E.C.
1886.	Knight, Charles Albert	20 Hanover Terrace, Regent's Park, N.W.
1908.	Knight, John Douglas	Boro' Electrical Eng., Ealing Corporation, Town Hall, Ealing, W.
1903.	KNIGHT, WILLIAM EDWARD	Motive Power Supt., Cuba Railroad Co., Camaguey, Cuba.
1903. A.1 1913.	M.) Knocker, George Stodart	(National Projectile Factory, Dudley.
1900.	Knowles, John	Messrs. Bradbury & Co., P.O. Box 26, Bombay, India.
1909. A.I 1912.	M. Knowles, Leonidas	22 Bridge Street, Manchester. [Inspect, Manchester. Central 3722.]
1908.	Kroto, George	c/o The American Society of Mech. Engineers, 29 West 39th St., New York, U.S.
1905.	KURODA, TSUNEMA	Müke Coal Mines, Chikugo, Japan.
1896.	{Kwang, Kwong Yung, D. Eng. (Life Member)	Eng., Lincheng Mines, Lincheng, vià Peking, North China.
1909.	Kwong, Wong	General Manager, Yangtse Engineering Works, Hankow, China.

1909.	LACERDA, ANTONIO CARLOS DE	Bahia, Santo Amaro Foundry, Bahia, Brazil.
1912.	LACEY, EDWIN CHARLES	St. Julian's Lodge, St. Julian's Farm Rd., West Norwood, S.E.
1906.	LACEY, ERNEST MATTHEW	[12 Victoria St., Westminster, S.W. [Victoria 76.]
1907.	LACHENAL, ALEXANDER	195 Ferme Park Road, Hornsey,
1909.	LACKIE, WILLIAM WALKER	Chief Eng., Corporation Electricity Dept., 75 Waterloo St.,
1897. A.M.) 1906. M.)	EDWARD CHARLES	91 Victoria St., Westminster, S.W.
1912.	LAKE, WILLIAM OSBORNE	Chief Eng., Army and Navy Co- operative Society, Victoria St., Westminster, S.W.
1913. M.)	LAKIN-SMITH, CLIFFORD	Rowington, Warwick.
1914.	LAMB, Professor ERNEST {	14 Erskine Hill, Golders Green, N.W.

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1911.	Lamb, Francis Stewart	(c/o Messrs. Thos. Cook & Son, 2 Rue Porte Rosette, Alexandria, Egypt.
1903.	LAMBERT, HAROLD	Messrs. Hudswell, Clarke & Co., Railway Foundry, Leeds.
1903. A.M.) 1912. M.)		Loco. Dept., S. Indian Rly., Villupuram, S. India.
1897.	LAMBERT, WILLIAM FRASER	Messrs. G. S. Goodwin & Co., 19 James St., Liverpool.
1883. G.) 1902. M.)	LANDER, PHILIP VINCENT	441 Bartolomé Mitré 2º. Piso, Buenos Aires, Arg. Rep.
1896.	Lane, Francis Lawrence	Leeds Forge, Leeds.
1910.	Lang, Philip Augustus	Managing Director of Works, British Westinghouse Co., Traf- ford Park, Manchester.
1906.	LANG, ROBERT (Life Member)	Messrs. John Lang & Sons, John- stone, Glasgow.
1881,	Langdon, William	Kensey, St. Stephens, Launceston.
1907.	LANGE, ERNEST FREDERICK STEPHEN	Messrs. Beyer, Peacock & Co., Gorton Foundry, Manchester.
1881.	LANGE, FREDERICK MONTAGUE TOWNSHEND	35 Gloucester Gardens, Hyde Park, W.
1907. A.M.)	LANGTON, JOHN MONTAGUE	Egyptian State Rlys., Tantah,
1912. M.)		Lower Egypt. Engineering Department, North-
1895. A.M.) 1902. M.)	LADADD CHADTER HIDWADD	ampton Institute, Clerkenwell, E.C.
1894. G.)		(Todleben Iron Works, Unwin St.,
1894. G. 1898. A.M. 1908. M.	LARMUTH, WILLIAM OLIVER	Cross Lane, Salford, Manchester; and Westleigh, Norwood Avenue, Southport.
1899. A.M.)	LASH, HORATIO WILLIAM	Manager, Albion Works, Sheffield.
1903. M.	,	
1888.	LATHAM, BALDWIN	Parliament Mansions, Victoria St., S.W.; and Park Hill House, Stanhope Rd., Croydon.
1899.	LATTA, JAMES GILMORE	78 Billiter Buildings, E.C.
1905.	LAWRENCE, MAXIMILIAN ROBERT	Factory Supt., Wolseley Motors Ltd., Adderley Park, Birming- ham.
1910. A.M.)		Public Works Dept., Perth, Western
1914. M.	INGTON	\ Australia. \ \(\text{Victoria St. Works, Sheffield; and }\)
1883.	LAYCOCK, WILLIAM S	Ranmoor, Sheffield. [Invention, Sheffield. 907.]
1906.	LAYTON, HENRY EDWARD	Apartado 82, Bilbao, Spain.
1902.	LAZENBY, ARTHUR	Foster Engineering Co., Morden Rd., Wimbledon, S.W.
1901. A.M. 1905. M.	LEA, FREDERICK MACKENZIE	Messrs. Henry Lea & Son, 38 Bennett's Hill, Birmingham. [Engineer, Birmingham. 118.]
1906.	LEA, JAMES EDWARD	28 Deansgate, Manchester.
1892.	LEA, RICHARD HENRY	Messrs. Lea & Francis, Coventry.
1889.	LEAF, HENRY MEREDITH, D.S.O	(Capt. R.M.L.I.), 4 Barton Street, Westminster, S.W.
1903. A.M.) 1907. M.)	THE CLAIR LOUIS INAN	Moorgate Works, Moorfields, E.C.
2001. MI.)		,

Date of Election and of Transfer.
1890. LEE, SAMUEL EDWARD City Foundry, Limerick.
1912. LEES, WILLIAM (Vale House, Hollinwood, Old-
5 1889. G. LEGROS, LUCIEN ALPHONSE 25 Cumberland Park, Acton, W.
(Leigh, Frederick Augustus (Chief Electrical Eng., L. & N.W.
1896. CORTEZ (Rly., Euston, N.W. LEISSE, GEORGE CHARLES 5 Rue Pergolèse, Paris (XVI.).
1897. A.M.) THITCH ARCHIBALD (Etruria House, 49 Lonsdale Rd.,
1902. M. Barnes, S.W. 1908. LEITCH, DONALD CALDER 7 Leyborne Park, Kew, Surrey.
1910. Lelean, William Arthur Messrs. Rendel, Palmer & Tritton, 13 Dartmouth St., Westminster,
1908. A.M. T. MASURER TAMES S.W. (10 Collyer Quay, Singapore, Straits
1912. M. Settlements.
(The Mill House Shinlake Henley-
(050 061 Hay Street Parth W
1901. Leslie, William { South Hay Street, Toron, W. Australia.
1905. {L'ESTRANGE, ARTHUR HENRY Kevinsfort, Sligo.
1902. A.M. 1911. M. LEWIS, FREDRICK WILLIAM Westover, Carline Rd., Lincoln.
1905. Lewis, Lewis Holme Engineer, Corpn. Hydraulic Power Supply, Whitworth St. West, Manchester.
1912. {Liewis-Heath, Eng. Lieut Commr. Frederick John, R.N General, E.C.
1894, Liebert, Henry Anton Messrs. John Holroyd & Co., Perseverance Works, Milnrow, Rochdale.
(35 Queen Victoria St., E.C.
1880. LIGHTFOOT, THOMAS BELL [Separator, London.]; and 12 Heathview Gdns., Putney Heath, S.W.
1903. {LILLY, WALTER ELSWORTHY, Assist. Prof. of Civil Engineering, 39 Trinity College, Dublin.
1905. A.M. Limpus, Arthur Edward 130 Dharamtolla Street, Calcutta.
1908. TUNDLEY HERRERT The Manor House, Kempsey, Wor-
1901. LINDSAY, ROBERT Cester. Somerville House, Dundee.
1909 A M) Tryper by Style Archipath (Chief Eng., Messrs. Bayliss Jones
1914. M.) WILLIAM & Bayliss, Victoria Works, Wolverhampton.
1890. LINEHAM, WILFRID JAMES Goldsmiths' Institute, New Cross, S.E.; and 21 Newstead Rd., Lee, S.E.
1907. G. 1909. A.M. 1913. M.
1902. LIRONI, VITTORIO GIOVANNI (Como Villa, Cousins Grove, East Southsea, Portsmouth.
1912. (LISTER, Eng. Commander Assistant Engineer-in-Chief, Ad-
FRANCIS HENRY, R.N (miralty, S.W.

and of Transfer	•	
1890.	LISTER, ROBERT RAMSBOTTOM	(11 Athol Rd., Alexandra Park, Manchester.
1904.	LITTLE, JOHN	Beech Lodge, Cherry Tree Road,
1905.	LITTON, FRANCIS HENRY	Sheffield. 24 Westbourne Avenue, Hull.
1890.	Livens, Frederick Howard	Messrs. Ruston, Proctor & Co., Sheaf Iron Works, Lincoln.
1900.	LIVERSEDGE, Eng. Commander Henry Thomas, R.N., ret	c/o The Manager, London County and Westminster Bank, Birk- beck Branch, High Holborn, W.C.
1901. A.M.) 1903. M.)		Loco. Supt., Co. Donegal Rlys. Joint Committee, Stranorlar, Co. Donegal.
1912.	LIVSEY, HAROLD	Messrs. John Fowler & Co., Leeds.
1907.	LLOYD, RICHARD	Meirion House, New Quay, Cardiganshire.
1898.	LOBNITZ, FRED	Messrs, Lobnitz & Co., Renfrew, near Paisley; and Ross Hall, Crookston, Renfrewshire.
1879.	LOCKHART, WILLIAM STRONACH	67 Granville Park, Blackheath, S.E.
1911.	Longbottom, Benjamin	Electromotors Ltd., Openshaw, Manchester.
1895. A.M.) 1905. M.)	Longbottom, Professor John	Royal Technical College, Glasgow.
1909.	LONGFIELD, Captain WILLIAM	Sudan Government Rlys., Atbara,
1902. A.M.)	ELRINGTON, R.E	Sudan, Egypt. (7 Fitzgeorge Avenue, Baron's Court,
1908. M.)	Longley, Reginald	West Kensington, W.
1911.	Longmuir, William	Locomotive Carriage and Wagon Superintendent, Bengal and North Western Rly., Gorakhpur, India.
1880.	{LONGRIDGE, MICHAEL} (Vice-President)	Grey Road, Altrincham.
1899.	LONNON, Eng. Captain WIL-	93 London Road, Portsmouth.
1902. A.M.) 1915. M.	LORIMER, ALEXANDER SMITH	North British Locomotive Co., Queen's Park Works, Glasgow.
1887.	LORBAIN, JAMES GRIEVE	[9 John Street, Adelphi, W.C. [Lorrain, London.]
1901.	LOUD, HENRY SHEBMAN	165 Broadway, New York, United States.
1898. A.M. 1910. M.	Love, Robert Templeton	The Whins, Troon.
1912.	Loving, Henry Croxton	Messrs. Cammell, Laird & Co., Cyclops Works, Sheffield.
1888.	Low, Professor David Allan	Emeritus Professor of Engineering, East London College: 6 York Road, Ilford.
1903.	Low, William (Life Member)	Monifieth Foundry, Monifieth, Dundee. [Low, Monifieth. Moni- fieth 1.]
1909.	Lowcock, Sidney Richard	6 Queen Anne's Gate, West- minster, S.W.
1873.	Lucas, Arthur	27 Bruton Street, New Bond Street, W.

Date	e of	Election
and	of	Transfer.

1889.	Lucy, Arthur John	Newbury, Upper Broadheath, Worcester.
1897.	LUCY, ERNEST EDWARD	Govt. Rlys., Eveleigh, Sydney, N.S.W.
1886. 1890.	G.) LUCY, WILLIAM THEODORE M. (Life Member)	107 Woodstock Road, Oxford.
1902.	FELLOWES	Messrs. W. E. Craven & Co., 224 Clarence St., Sydney, N.S.W.
1908.	LUMLEY, GASCOIGNE	8 Fernwood Road, Newcastle-on- Tyne.
1877.	LUPTON, ARNOLD	7 Victoria St., Westminster, S.W. [Westminster 5078.] (Messrs. Joshua Buckton & Co.,
1900.	LUPTON, WILLIAM WALTER	Well House Foundry, Meadow Rd., Leeds; and Malton.
1911.	LYON ALEXANDER GORDON	44 Woodhurst Road, Acton, W.
1902.	A.M. LYON, ARTHUR ANDERSON	608 Caxton House, Westminster, S.W.
1908.	M. S HIOR, ARIHOM ANDERSON) S.W.
1904.	A.M.\ LYONS, ROBERT ERNEST BRA-	Fabrica Colon, Entre Rios, Arg.
1912.	M.) BAZON	Rep.

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1907.	MACARTNEY, JAMES	Dixson Bldgs., 64 Pitt St., Sydney, N.S.W.
1905.	McBride, William	Works Manager, Messrs. Otto Trechmann, Warren Cement Works, Hartlepool.
1907.	McCall, Duncan	Mayfield House, Withington, Here- ford.
1904. A.M.) 1913. M.)	McCallum, Edward Alfred	Gléresse, Lac de Bienne, Switzer- land.
1912.	McClean, William Newsam	Caxton House, Westminster,
1913. A.M.) 1916. M.)	McCormick, James	Docks Engineer's Office, N.E. Rly., Hull.
1891.	McCredie, ARTHUR LATIMER	9 Bridge St., Sydney, N.S.W. [Ebony, Sydney, 63.]
1897.	MACDONALD, DAVID JOHN-	Scuth St. Roque's Works, Dundee. [Medalist, Dundee. 239.]
1904.	Macdonald, Donald	York Buildings, Hong Kong, China.
1910.	MACDONALD, JAMES	Govt. Marine (Eng. and Shipwright) Surveyor, Harbour Dept., Hong Kong, China.
1903.	Macdonald, James Turriff Sinclair	Bristol Wagon Works, Lawrence Hill, Bristol.
1914.	Macdonald, James Veitch	Messrs. Macdonald & Son, 15 Far- ringdon Avenue, E.C.
1899.	Macdonald, John	Bridge Turbine Works, Pollok- shaws, Glasgow. [Consulting, Pollokshaws. Z 243.]

Date	of	Election
and	of '	Transfer.

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1880. M. S MCDONALD, COM AMERICANDER	{c/o Messrs. McDonald, Scales & Co., 4 Chapel St., Cripplegate, E.C.
1905. A.M. McDonald, William, R.N.R.	Room 18, Messrs. S. Pearson & Son, 10Victoria St., Westminster, S.W.
1909. McFarlane, Lauchlan Grant	Submarine Dept., Messrs. Cammell Laird & Co., Birkenhead.
1899. A.M. 1910. M. Moferran, Howard A	H.M. Office of Works, Storey's Gate, S.W.
1895. MACGARVEY, HOWARD	Lombard Street Works, Dublin.
1913. McGill, John	(95 Elliscombe Road, Old Charlton, Kent.
1906. MacGregor, James	Manager, Messrs. Sanderson Bros. and Newbould, Sheffield.
1912. {McGregor, Stuart William Buchanan	c/o Representation for British Manufacturers Ltd., 3 Kiukiang Rd., Shanghai, China.
1912. A.M.) MacGuckin, Charles John 1915. M.) Grahame	Sir W. G. Armstrong, Whitworth & Co., Elswick Works, New-castle-on-Tyne.
1915. McGuffie, David Wilson	14 Falkland Mansions, Hyndland, Glasgow.
1913. {McGuffie, Harold Alex-	Messrs. Stevenson and McGuffie, 163 Hope St., Glasgow.
1911. MACINTOSH, DONALD RODER-	Chief Inspector of Steam Boilers and Prime Movers, Town Custom
1889. MoIntyre, John Henry A	House, Bombay. Royal Technical College, Glasgow.
1912. MACINTYRE, NICOL	Dunmore, Norse Road, Scotstoun, Glasgow.
1916. MacIver, Robert Graves	Messrs. Hoare, Miller & Co., 5 Fairlie Place, Calcutta.
1897. A.M. MACIVOR, ALEXANDER	Messrs. Potter & Co., Hollins Paper Mills, Darwen.
1902. McIvor, Benjamin Robert	Ivanhoe, Buckingham Avenue, Sefton Park, Liverpool.
1890. MACKAY, JOSEPH	Govt. Supt., Marine Surveys, Bang- kok, Siam. [Mackay, Bangkok.]
1901. McKechnie, James	Messrs. Vickers Ltd., Naval Con- struction Works, Barrow-in-Fur- ness.
1885. MacKenzie, John William.	40 Chancery Lane, W.C.; and Oakamoor, Dartnell Park, By-
	fleet, Weybridge. (Messrs. David Colville & Sons,
1883. G. MACKENZIE, THOMAS BROWN.	Dalzell Steel and Iron Works, Motherwell; and Netherby,
	Manse Rd., Motherwell. Genl. Manager, Messrs. A. and W.
1919. MACKIE, WILLIAM	Smith & Co., Eglinton Engine Works, Cook St., Glasgow.
1906. MacKie, William Arbuckle	50 Wellington St., Glasgow. [Starboard, Glasgow. Argyle 180.]
1912. MacKirdy, John Hansard	Lloyd's Register, 342 Argyle Street, Glasgow.
1880. McLachlan, John	Thistle Engine Works, Paisley. [Bow, Paisley.]
1875. Maclagan, Robert	Hazelbury Bryan, Sturminster Newton, S.O., Dorset.

1888. M	IcLaren, Henry	[Midland Engine Works, Leeds. [McLaren, Leeds.]
1903.	Iclaren, John	Midland Engine Works, Leeds.
1903.	IcLaren, John	110 Fenchurch St., E.C. [Eniram, London. Avenue 3462.]
1900. A.M.) 1902. M.)	AcLaren, John Alexander	13 Broomfield Crescent, Heading- ley, Leeds.
	McLaren, Richard Andrew	Messrs. Babcock and Wilcox Ltd., Renfrew, R.S.O., Renfrewshire.
1912. I	McLaren, Robert	Midland Engine Works, Leeds. (Managing Director, Messrs. John
1910.	McLaren, William	Blackwood, Barbados, West Indies.
1901.	McLaren, William Alex-	P.O. Box 1209, Johannesburg, Transvaal.
1904. A.M.)	McLean, Alexander Malker	St. Mildred's House, Poultry, E.C.
1000 A M)	Maclean, James Borrowman	Messrs. Blandy Brothers & Co., 16 Mark Lane, E.C.
1910. A.M.)	MACLENNAN, ALEXANDER	Manager, Federated Engineering Co., Kuala Lumpur, Federated
1913. M.)	McLintock, Robert Alex-	Malay States.
1914.	ANDER HARE	90 Princes Street, Dunedin, N.Z. (Loco. Running Supt., G.C. Rly.,
1901.	PERCY	Gorton, Manchester.
1902. A.M.) 1906. M.)	McMahon, John Joseph	Corpn. Tramways, 55 Piccadilly, Manchester.
	McMahon, Peter Valentine	Chief Eng., City and S. London Rly., 195 Clapham Rd., S.W.
1902. A.M.) 1909. M.)	MACNAB, THOMAS POLLOCK	[56-58 Eagle Street, Southampton Row, W.C. [Holborn 6405.]
1902.	MACNAY, ARTHUR	Mech. Eng., S. African Rlys. & Harbours, Durban, Natal.
1885.	McNeil, John	Messrs. John McNeil & Co., Helen St., Govan, Glasgow. [Colonial,
1914.	MACNICOL, ARNOLD NESBITT	Glasgow.] 31 Queen St., Melbourne, Victoria.
1901.	MACQUEEN, JOHN, B.Sc	Messrs. Denny & Co., Dumbarton.
	McQueen, John Charles	St. Georges, Grenada, West Indies.
1903.	McReddie, Charles Edward Boyesen	(c/o H. Pollett & Co., Calle Misiones 1521, Monte Video, Uruguay.
1906. A.M.) 1913. M.)	McTurk, Alexander Glad- stone	
1913.	McVicar, Alexander	27 Brougham Street, Wellington,
1906.	MADELEY, CHARLES	New Zealand. Messrs. Taylor & Challen, 60-62
4000	36 T D	Constitution Hill, Birmingham. (11 Carteret St., Queen Anne's
1879.	Maginnis, James Porter	Gate, Westminster, S.W. [Offset, London. G.P.O. Victoria 192.]
1900. A.M.) 1902. M.)	Main, John Palmer Scott	Assist. Inspecting Officer of Rlys., Board of Trade, 47 Victoria St., Westminster, S.W.
1911.	Mair, George Pascoe	Messrs. Gwynnes Ltd., Hammer- smith Iron Works, Hammer- smith, W.

1916. MEMBERS.

Date	e of	El	ecti	on
and	of '	Γra	nsf	er.

and of Transier.	
1873. {MAIR-RUMLEY, JOHN GEORGE (Life Member)	{43 Palace Court, W. [Ipsum, London.]
1884. Mais, Henry Coathupe	34 Murphy St., South Yarra, Melbourne, Victoria.
1913. MAITLAND, CREE	Lubricators Ltd., Leeds Place, 59 Tollington Park, N. [Former Member 1898–1907.]
1906. Major, Charles George	Hilcott, 156 Bedford Hill, Balham, S.W.
1883. G. 1893. M. MALAN, ERNEST DE MÉRINDOL	22 Avenue de la Gare, Livry-Gargan (S. & O.), France.
1879. {MALCOLM, BOWMAN (Member of Council)	Loco.Eng., Midland Rly. (Northern Counties Committee), Belfast.
1905. A.M. MALCOLM, GEORGE WILLIAM	Chief Eng., Salt Union, Ltd., Winsford, S.O., Cheshire.
1907. A.M. 1913. M. MALLINSON, ARTHUR BENJAMIN	Daney St., Sanord, Manchester.
1907. A.M. MALPAS, ARTHUR ERNEST	Holford Lodge, Lostock Gralam, Northwich.
1916. MALTMAN, ALBERT HENRY	2 Cromwell Road, Rugby. (President, Kyushu Imperial Uni-
1888. Mano, Professor Bunji 1894. G.)	versity, Fukuoka, Kyushu, Japan.
1896. A.M. MANSFIELD, ALFRED	{12 Hamilton Square, Birkenhead. [Birkenhead 1533 & 4.]
1894. A.M. MANSFIELD, EDWIN ALBERT	12 Beckenham Rd., New Brighton, Birkenhead.
1891. MANSON, JAMES	Deanhill, Beansburn, Kilmarnock. 105 Haverstock Hill, N.W.
1897. Mapplebeck, Edward	Messrs. John Wilkes, Sons & Mapplebeck, Liverpool St., Birmingham. [Wilkes, Birmingham.]
1901. A.M. $1912.$ March, Sydney Herbert	(Messrs. Charles Churchill & Co., 6 Oxford St., St. Peter's Square, Manchester.
1903. A.M. MARGETSON, Professor ALFRED JAMES, M.Sc	Finsbury Technical College, Leonard St., City Rd., E.C.
1878. Marié, Georges	4 Rue du Général Foy, Paris (8º). Broadoaks, Chesterfield.
1900. MARKHAM, Eng. LieutCommr. REGINALD GASCOIGNE LAW, R.N	Brooklyn, 50 Ritherdon Rd., Balham, S.W.
1891. {MARKS, EDWARD CHARLES ROBERT	> 13 Temple St., Birmingnam.
1888. {Marks, Sir George Croydon, M.P	58 Lincoln's Inn Fields, W.C. [Mark- lerk, London. Central 3415.] [Supt. of Machinery, Karachi Muni-
1896. Markwick, Alfred Ernest	cipality, Lawrence Rd., Karachi, India.
1884. MARQUAND, AUGUSTUS JOHN	2 Dock Chbrs., Bute Docks, Cardiff. [Martial, Cardiff.] [Eng. and Loco. Supt., Mid. & G.N.
1887. MARRIOTT, WILLIAM	Joint Rlys., Melton Constable, Norfolk.
1914. Marsden, Charles Henry	Chief Eng., Messrs. W. Hinton and Sons, Funchal, Madeira.
1903. A.M. Marsh, Charles Fleming	Metropolitan Water Board, Savoy Court, Strand, W.C.

1916,	MEMBERS	67
Date of Election		
and of Transfer.		
1896.	Marse, Douglas Earle	47 The Drive, Hove, Sussex.
1900.	MARSHALL, ALFRED WILLIAM	66 Farringdon St., E.C. [Central 9071.]
1912.	MARSHALL, Eng. Commander Frederick William, R.N.	H.M.S. "Monarch," 2nd Battle Squadron, Home Fleet, c/o Post- master General, E.C.
1897.	Marshall, Herbert John	Britannia Iron Works, Gains- borough, [Marshalls, Gains- borough, 10.]
1901.	Marshall, Hermann Dicken-	Britannia Iron Works, Gains- borough.
1871.	Marshall, James	Britannia Iron Works, Gains- borough. [Marshalls, Gains- borough. 10.]
1899. A.M.) 1905. M.)	MARSHALL, LAUNCELOT PAUL	Chief Eng., Municipal Offices, Rangoon, Burma.
1896. A. 1899. M.	WARRETATT LEWIS	Burleigh, Edgerton, Huddersfield.
1902.	Marshall, Robert	34 St. Petersburgh Place, Bays-
		water, W. (Lieut., R.E. (T.)) Royal Engineers' Office, Weymouth. St. Stephen's House, Westminster, S.W.
1888. G. 1904. A.M. 1913. M.		20 Victoria St., Westminster, S.W.
1904. A.M. 1909. M.	MARMIN PEROV	Works Manager, Daimler Motor Co., Coventry.
1886.	MARTIN, WILLIAM HAMILTON	Engineering Mangs., Scheldt Royal Shipbuilding and Engineering Works, Flushing, Holland.
	MARTINDALE, WARINE BEN	(Capt. A.S.C.), Commdg. No. 1 Depôt Coy., M.T., Bulford Camp, Salisbury.
1909.	MARTINEAU, FRANCIS LEIGH.	64 Victoria Street, Westminster,
1904. A.M.) 1912. M.	MARIN ERVISIO	S.W. Cochabamba 1871, 1er piso, Buenos Aires, Arg. Rep.
1913.	(Mason, Herbert (Life Member)	19 Eisenstuck Strasse, Dresden, Germany.
1913.	Mason, John Blair	Engineer-in-Chief, Otago Harbour Board, Dunedin, N.Z.
	ALCOHOL: SANDERS AND ADDRESS A	(Post Office Chambers Pitt St

1884. MASSEY, GEORGE 1903. MASSEY, HAROLD FLETCHER

1895. A.M. Massey, Leonard Fletcher 1903. M.

1892. MASTERTON, JOHN FRASER (MASTERTON, WALTER NEILL, 1903. R.D., R.N.R. 1899. MASTRANTONIS, PANAYOTIS ...

MATHER, GEORGE RADFORD .. 1894.

Post Office Chambers, Pitt St., Sydney, N.S.W.

Messrs. B. and S. Massey, Openshaw, Manchester. Messrs. B. and S. Massey, Open-

shaw, Manchester. [Masseys, Openshaw. 300.] Loco. Dept., S.E. & C. Rly.,

Ashford, Kent. Govt. Marine Surveyors' Office,

Singapore, Straits Settlements. Engine and Boiler Works, Piraeus, Greece.

Albion Foundry, Wellingborough. [Mather, Wellingborough.]

- Transier	•	
1867.	MATHER, The Right Hon. Sir WILLIAM	Park Works, Newton Heath, Man- chester; and Bramble Hill, Bramshaw, New Forest, Hants.
1900.	MATHEWS, CHARLES JAMES	Chief Inspector of Machinery, Perth, W. Australia.
1913.	Mathews, Gifford Freder-	85 Clyde Rd., West Didsbury, Manchester.
1902.	MATHOT, RODOLPHE	3 Salters' Hall Court, Cannon St., E.C. [City 8625.]
1907.	MATTHEWS, JOSEPH	Woodlands, Hope, Wrexham.
1886.	MATTHEWS, ROBERT (Member of Council)	Parrs House, Heaton Mersey, Manchester.
	MATTHEWS, THOMAS LEIGH	Messrs. Coode, Matthews, Fitz- maurice and Wilson, 9 Victoria St., Westminster, S.W.
1904. A.M.) 1912. M.)	MATTHEWS, WILLIAM EDWARD	Bridge End Foundry, Cardigan.
1893.	MAUNSELL, RICHARD EDWARD LLOYD	Chief Mech. Eng., S.E. & C. Rly., Ashford, Kent.
1873.	MAW, WILLIAM HENRY, LL.D.	35 Bedford St., Strand, W.C.
1906. A.M.) 1915. M.)	(Past-President)	[Gerrard 3663.] 3 North 18th St., East Orange,
		N.J., U.S. (Sandhurst Lodge, 382 High Rd.,
1884.	Maxim, Sir Hiram Stevens	Streatham, S.W.
1905.	MAXWELL, DAVID WILLIAM FRANCIS	77 Lawrie Park Road, Sydenham, S.E.
1903.	May, Charles Ramsden	Orwell Lodge, Erith, S.O., Kent. Pulsometer Engineering Co., 11
1908.	MAY, WALTER, R.N	Tothill St., Westminster, S.W.
1901. G. 1902. A.M. 1908. M.		155 Dashwood House, 9 New Broad St., E.C.
1891.	MEADE, THOMAS DE COURCY	City Surveyor, Town Hall, Man- chester. (Deceased Feb., 1916.)
1905.	Meek, John	53 Albany Road, Coventry. [Former Member 1898–1901.]
1881.	MEIK, CHARLES SCOTT	16 Victoria St., Westminster, S.W.
1887.	Melhuish, Frederick	Eng. of the Kent District, Metro- politan Water Board, Brookmill Rd., Deptford, S.E.
1903.	MELL, LEONARD PARRY	34 The Parade, Leamington Spa.
1908. A.M.) 1913. M.)	MELL, STEPHEN THEODORE	Chief Eng., Colonial Consignment & Distributing Co., Nelson's Wharf, Lambeth, S.E.
1906.	MELLANBY, Professor ALEX- ANDER LAWSON, D.Sc	Royal Technical College, Glasgow.
1888.	MELVILLE, WILLIAM WILKIE	Messrs. E. Green & Son, Hastings House, Norfolk St., Strand, W.C.
1900.	MENDHAM, CONRAD FIELD	(85 Gracechurch St., E.C. [Pyrotic, Grace, London. Central 9471.]
1902. A.M. 1913. M.	MENSFORTH, HOLBERBY	British Westinghouse Co., Trafford Park, Manchester.
1906.	Menzies, John	Messrs. Robert Maclaren & Co., Ltd., Eglinton Foundry, Port Eglinton, Glasgow.
1897.	MEREDITH, JOHN .,	156 Harlaxton Drive, Lenton, Nottingham.

Date	of	El	ect	ion
and	of '	Tra	nsi	fer.

1901. G. 1905. A.M. 1914. M.	MERRETT, JOHN ALFRED	41 Finsbury Square, E.C.
•	MERRYWEATHER, JAMES COMP-	Fire-Engine Works, Grand Road, S.E.; and 4 Wards Court, S.W. [Merry London.]
	MERTENS, JOHN THOMPSON	8 Dalhousie Square, 1 India.
1909. A.M. 1912. M.	METCALF, ALFRED TOWNLEY	British Dyes Ltd., Tu Works, Huddersfield. Messrs. Davies and
1906.	METCALFE, JAMES	Romiley, Manchester.
1881.	MEYSEY-THOMPSON, ARTHUR HERBERT	Messrs. Hathorn Davey Sun Foundry, Dewsbu Leeds.
	MICHELL, Eng. Lieut. WILLIAM HENRY, R.N. (Life Member)	Engineering Dept., H.M. yard, Portsmouth.
1898.	MICKLEWRIGHT, WILLIAM	Messrs, James Russell Wednesbury; and Hu Hollies Drive, Wednesb
1899. A.M.) 1905. M.)	MIDDLETON, HARRY HERBERT	Mines Dept., Box 1072, J burg, Transvaal.
1884.	MIDDLETON, REGINALD EMPSON	17 Victoria Street, West S.W. [Appoint, Londo toria 321.]
1910.	MILBURN, JOHN	Works Manager, Messrs Herbert, Coventry.
1893. 1902.	MILLAR, JACKSON	11 Bothwell St., Glasgow.
	MILLAR, THOMAS	81 St. Vincent St., Glasgo (Supt. Eng., Spanish Roy
1904.	MILLER, DAVID	Supt. Eng., Spanish Roy Co., 19 Princes St., Liverpool.
1885.	MILLER, HARRY WILLIAM	(c/o Messrs. Smuts & F.O. Box 14, Tarkasta Colony.
1887.	MILLER, THOMAS LODWICK	12A Hargreaves Bldg., 5 Cl Liverpool. [Kinetic, I Central 6216.]
1900. G.) 1903. A.M.) 1908. M.)	MILLER, WILLIAM THOMAS WARD	,
1893.	MILLIGAN, WILLIAM SCOTT	Messrs. Pollit and Wigze Foundry, Sowerby Bridge
1885.	MILLIS, CHARLES THOMAS	Principal, Borough Pol Institute, 103 Borough S.E.
1901. A.M. 1904. M.	MILLS, FRANK	(Capt., R.W.F.), Red Hill maris, Anglesey.
1905.	MILLS, FREDERICK	Managing Director, Ebb R.S.O., Mon.
1898. 1899. A.M.)	MILLS, GEORGE PILKINGTON	Everdene, Putney Commo
1912. M.	MILLS, JOSEPH AMOS	(McIntyre-Porcupine Mine macher, N. Ontario, Car (Mills' Munitions, Bridge
1897.	MILLS, WILLIAM	Mills' Munitions, Bridg West, Birmingham. Birmingham. Central

Greenwich Whitehall erryweather,

ply Corpn., , Calcutta,

Turnbridge

Metcalfe,

vey & Co., vsbury Rd.,

H.M. Dock-

ll & Sons, Hughenden, esbury.

2, Johannes-

Vestminster, ndon. Vicssrs. Alfred

w.

sgow. Royal Mail St., Bootle,

Hattingh, astad, Cape

5 Chapel St., , Liverpool.

ther Edge,

igzell, Bank ridge.

Polytechnic ough Road,

Hill, Beau-

Ebbw Vale,

nmon, S.W. Mines, Schu-Canada.

ridge Street ral 60.]

1887.	MILNE, WILLIAM	Castle Bldgs., West St., Durban, Natal [Metallic, Durban.]; and Furnheim, Rosetta Rd., Durban, Natal.
1898. A.M.) 1902. M.)	Mindo, Arnold Waldemar	Chief Engineer, Melbourne Ice- Skating and Refrigerating Co., 16 City Rd., South Melbourne, Victoria.
1911.	MITCHELL, ALFRED HILLYARD	Elevator Dock, Silvertown, E.
1914.	MITCHELL, ARCHIBALD CHARLES	Messrs. James J. Niven & Co., Hunter Street, Wellington, New Zealand.
1898.	MITCHELL, GEORGE	Managing Director, Vacuum Brake Co., 32 Queen Victoria Street, E.C. [Solution, London. Bank 5534.]
1902. A.M.)	MITCHELL, JAMES	11 Langdale Terrace, Whitby.
1912. M. <i>f</i> 1913.	MITCHELL, PERCY José	Caxton House, Westminster, S.W.
1907.	MITCHELL, ROBERT	(Manager, Sugar Machinery Mfg.
1902. G.)		Co., 76 Elsham Rd., W. (Dist. Loco. Supt., Eastern Bengal
1910. A.M.	MITCHELL, WILLIAM GEORGE	State Railway, Kanchrapara,
1915. M.)		Bengal. (Hem Heath, Trentham, Stoke-on-
1892.	MITCHESON, GEORGE ARTHUR	Trent.
1899.	MITTON, EDWARD MOSS	Smithfield Works, Sherlock Street, Birmingham. [Method, Bir- mingham.]
1897.	MIYABARA, Eng. Vice-Admiral Baron Jiro, I.J.N	Near Omori Station, Tokyo, Japan.
1907.	MIZUTANI, Eng. Rear-Admiral Yoshihiko, I.J.N.	K. K. Nihon Seiko-Sho, Bokoi, Muroran, Hokkaido, Japan.
1906.	Moberly, James Edward	7 Lansdowne Crescent, Notting Hill, W.
1909. A.M. 1913. M.	MOFFAT, DAVID	Ingenio "La Mendieta," La Mendieta, F.C.C.N., Jujuy, Arg. Rep.
1896.	MOFFATT, ALEXANDER CHARLES	Oakland House, East Dulwich Road, S.E.
1903. A.M. 1906. M.	Moffet, James Scott Dun-	Genl. Manager, West Ham Corpn. Tramways, Greengate St., Plaistow, E.
1879.	Molesworth, Sir Guilford Lindsay, K.C.I.E	The Manor House, Bexley, Kent.
1905.	MOLESWORTH, WALTER HEN-	29 Broadway, Westminster, S.W.
1907.	Molloy, Charles Patrick	Dist. Loco. Supt., S. Mahratta Rly., Hubli, India.
1913.	MOLYNEUX, THOMAS	City Engineer's Office, Liver-
1905.	MONEY-KENT, JULIAN MONEY VERNON	pool. (121 Victoria St., Westminster, S.W.) [Victoria 1156.]
*****	Monkhouse, Edward Wynd-	14 Old Queen St., Westminster, S.W. [Instructed, London. West-
1897.	HAM	S.W. [Instructed, London. West-minster 771.]
1902.	Monks, Frederick William	Managing Director, Messrs. Monks, Hall & Co., Warrington.

1884.	Monboe, Robert	(Genl. Manager, Barry Graving Dock & Engineering Co., Barry Dock, near Cardiff.
1902. G. 1903. A.M. 1913. M.	Montague, Graham	{Public Works Ministry, Mechanical Service, Cairo, Egypt.
1897. G.) 1902. A.M. 1912. M.)	MONTGOMERY, CHARLES HUBERT	{F. C. Central Argentino, Rosario de Sta. Fé, Arg. Rep.
1906. A.M.) 1911. M.)	MOODY-STUART, ALEXANDER	121 St. Vincent Street, Glasgow.
1894. G.) 1898. M.)	Moon, Edgar Rupert	Cloudesleigh, Brixton, Plymouth.
1903. A.M.) 1906. M.)	Moon, James George	Messrs. C. & E. Morton, West Ferry Rd., Millwall, E.; and 14 Toronto Rd., Ilford.
1900. A.M.) 1907. M.)	Moore, George Edward Moore, James	(329 W. Cambridge St., Alliance, Ohio, U.S. Timaru, Andover Down, Andover.
1895. A.M.)	Moore, Thomas Lamb	1 Cromwell Rd., Belfast.
1901. M.		The Grange, 347 Bristol Rd.,
1912.	Moore, William George	(Edgbaston, Birmingham.
1913.	Moorhouse, Samuel	Messrs. Fairbairn, Macpherson, Wellington Foundry, Leeds.
1910.	Morcom, Reginald Keble	Messrs. Belliss & Morcom, Ledsam St., Birmingham.
1880.	MORELAND, RICHARD	80 Goswell Rd., E.C. [Expansion, London.]
1911.	MORGAN, LEWIS HENRY	Scotch Plains, New Jersey, U.S.
1887.	(MORISON, DONALD BARNS (Member of Council)	Messrs. T. Richardson & Sons, Hartlepool Engine Works, Hartlepool.
1907.	Morley, Arthur	6 Rectory Drive, Gosforth, New- castle-on-Tyne.
1896.	MORLEY, HERBERT WILLIAM	16 Tanfield Chbrs., Bradford. [4977.]
1888.	Morris, Charles	(c/o Messrs. Jessop & Co., 156 Lead- enhall St., E.C.
1902. G. 1908. A.M. 1914. M.	MORRIS, CYRIL CLARKE Bo-	Fire Brigade, Southwark, S.E.
1898.	Morris, John	Royal Technical Institute, Salford, Manchester.
1890.	(Morris, John Alfred (Life Member)	Empire Engineering Co., Empire Works, Clarendon Rd., Salford, Manchester.
1901. A.M.) 1905. M.)	MORRIS, ROBERT EDMUND	Metrop. Water Board, New River Works, Finsbury Park, N.
1904. A.M.) 1908. M.)	Morris, Robert Henry	Messrs. Hieron Rolfe & Co., 3/1 Mangoe Lane, Calcutta.
1908.	Morrison, Frederick Thomas	Education Dept., Grahamstown, Cape Colony.
1913.	Morrison, James Smith	Res. Eng., Seccondee Water Works,
1903.	MORRISON, RALPH PERCY	Gold Coast, West Africa. Allerton, Old Avenue, Weybridge.
1906.	Morrison, William Lazonby	Gen'l. Manager, Messrs. Morrison & Co., Fundicion Nacional, Val- paraiso, Chile.
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1907.	MORTIMER, Eng. Commander JOHN ERNEST, R.N., ret	34 Victoria Street, Westminster, S.W. [Remitrom, London. Vic- toria 1964.]
1902.	MORTIMORE, WILLIAM	Hawthorn Villa, Grosvenor Rd., Altrincham.
1914.	MORTON, GEORGE ERNEST	Chief Mech. Eng., Central Cordoba Rly., Alta Cordoba, Arg. Rep.
1905.	MORTON, THOMAS MORTON GRAY	Managing Director, Belhaven Ltd., Wishaw.
1914.	MORTON, WILLIAM HERBERT	Loco. Engineer, Midland Gt. Western Rly., Broadstone Station, Dublin.
1910. A.M. 1913. M.		26 Waterloo Street, Calcutta, India.
1886.	Mountain, William Charles	Sun Buildings, Newcastle-on-Tyne. [Experience, Newcastle-on-Tyne. Central 2646.]
1902. A.M. 1905. M.	MOWAT, MAGNUS	Port of London Authority, India and Millwall Docks, E.
1901.	Mowat, Thomas	Managing Director, Messrs. Harpers Ltd., Aberdeen.
1909.	Mower, Charles Hudson	Chief Eng., Sturtevant Engineering Co., 147 Queen Victoria Street, E.C.
1884.	Mower, George A. (Life Member)	Sturtevant Engineering Co., 147 Queen Victoria St., E.C. [Crosby, London. Bank 509.]
1893. A.M. 1901. M.		c/o Messrs. Grindlay & Co., Calcutta.
1876.	MUIRHEAD, RICHARD	66 Parrock St., Gravesend.
1897.	Muneo, Edward May	Messrs. Brecknell, Munro & Rogers, Finsbury Pavement House, E.C.
1910.	Munro, Hugh	Collingwood, Blairheath Road, Burnside, Glasgow.
1890.	Munro, Professor John	Merchant Venturers' Technical College, Unity Street, Bristol.
1890.	Muneo, Robert Douglas	Regent Chbrs., 131 West Regent St., Glasgow. [Wattage, Glas-
1910.	MUNTZ, Sir GERARD ALBERT,	Tiddington House, near Stratford-
1902. A.M.	Bart. (Member of Council)	on-Avon. Messrs. F. Reddaway & Co., Pendle-
1911. M.	MURPHY, WILLIAM	ton, Manchester. British Oxygen Works, Elverton
1890.	MURBAY, KENNETH SUTHER-	St., Westminster, S.W. [West- minster 111.] [10 Norfolk Street, Strand, W.C.
1911.	MURRAY, LEE	[Yarrumeel, London. Central 5593.]
1901. A.M. 1911. M.	MURRAY, PETER BUTCHART	Messrs. Sturrock and Murray, Victoria Dock, Dundee.
1894.	MURBAY, THOMAS ROBERTS	Managing Director, Messrs. Spencer & Co., Melksham.
1902.	MUSGRAVE, FRANK EVERARD	Globe Iron Works, Bolton. [Mus- grave, Bolton.]
1899.	Musgrave, John Richard	Crown Point Foundry, East St., Leeds. [1226.]
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Date	of	Election	
and	of '	Transfer,	

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1897.	MUSKER, ARTHUR		Trafalgar Bldgs., 1 Charing Cross, W.C. [Regent 1564.]
1897.	Musker, Charles	••	38 Old Park Ridings, Winchmore Hill, N.
1901.	Myers, Henry Sutcliffe	••	Messrs. Myers Brothers, Star Works, Wortley, Leeds.

1906.	Napier, John Stewart	[Earlsdon House, Coventry. [Con-
1899.	NASBEY, GEORGE WILLIAM	\ sult, Coventry. 146.] 59 Bath Rd., Banbury.
1907. A.M.)	Nasmith, John	(Wolseley Tool & Motor Car Co.,
1913. M.	NASMITH, JOHN	Adderley Park, Birmingham.
1888.	NATHAN, ADOLPHUS	Messrs. Larini Nathan & Co., Milan; and 15 Via Bigli, Milan,
1000.	NATHAN, ADOLPHUS	Italy.
		Otto Coke Oven Co., Post Office
1898.	NAYLOR, TOM HYDE	House, Leeds; and Laurel
1903. A.M.)		Mount, Newton Park, Leeds. (Liverpool Overhead Rly. Co., 31
1908. M.	NEACHELL, EDWARD JOHN	James St., Liverpool.
1899. A.M.)	NEAL, ROBERT HENRY	38 Fielding Terrace, Ealing Com-
1909. M. 5	NEATE, PERCY JOHN	mon, W.
		49 Frognal, Hampstead, N.W. (Patent Office, 25 Southampton
1889.	NEEDHAM, JOSEPH EDWARD	Bldgs., W.C.
1902.	NEIL, ALEXANDER	Rawsthorne, Walshaw Avenue,
2002.	athing dimensions of the te	Colwyn Bay.
1900. A.M.)	NEILSON, ROBERT MORRISON	Atlantic Chbrs., 45 Hope St., Glasgow. [Momentum, Glasgow. P.O.
1910. M.	THE SON, INDEED MORRISON	Central 4755.]
1906.	Nelson, George	(Messrs. Jas. J. Niven & Co., 38
	TIEDSON, GROEGE	Lime St., E.C.
1895. A.M.) 1898. M.)	NESBIT, DAVID MEIN	Ashwell Lodge, Barkby Lane, Leicester.
1903.	NESBITT, ALEXANDER WALTER	Paulatim, Bearsden, Glasgow.
		(Chief Eng., Scottish Boiler Insur-
1909.	NESS, GEORGE	ance Co., 174 West George St.,
	(NEVILL, WALTER ELPHIN-	Glasgow.
1912.	STONE	9 Pall Mall, S.W.
		(Calico Printers' Association, St.
1913.	NEWALL, JOHN FENTON	James's Bldg., Oxford Rd.,
		Manchester. (Messrs. Ernest Newell & Co., Mis-
1896. A.M.) 1904. M.)	NEWELL, ERNEST	terton, Gainsborough. [Woods,
,		Misterton.]
1897. A.M.) 1901. M.)	NEWMAN, REGINALD WILLIAM	[Irrigation Dept., P.O. Box 40,
1901. 11.)		Cradock, Cape Colony. (Works Manager, Mid. & G.N.
1902.	NEWMAN, WILLIAM EDWIN	Joint Rly., Melton Constable,
		Norfolk.

Date of Election and of Transfer.		
1908. A.M. 1913. M.	NEWTON, EDGAR VENABLES	Messrs. Ruston, Proctor & Co., 46 Queen Victoria St., E.C.
1897.	NEWTON, THOMAS GEORGE	Monte Rosa, Cumberland Park, Acton, W.
1905.	Niblock, Frederick	Supt. Eng., Tanjong Pagar Dock Board, Singapore, Straits Settle- ments.
1911.	NICE, PEARCE SAVELL	Fabrica de Cañeria de Plomo, Casilla 4109, Valparaiso, Chile.
1906. A.M.) 1911. M.)	NICHOLL, FREDERICK MICHELL	Oorgaum, Mysore State, South India.
1884.	NICHOLLS, JAMES MAYNE	Genl. Manager, Nitrate Railways Co., Iquique, Chile.
1884.	NICHOLSON, HENRY	39 Mayfield Rd., Alexandra Park, Manchester.
1907.	NICHOLSON, HENRY PERCY	30 Crane's Buildings, Wellington Place, Belfast.
1907.	NICHOLSON, Engineer Lieut Commr. James Bell, R.N.	H.M.S. "Royalist," c/o Postmaster General, E.C.
1894.	NICHOLSON, JOHN RUMNEY, C.M.G.	Tanjong Pagar Dock Board, Singapore, Straits Settlements.
1911.	NICOL, GEORGE ANDREW	Lancashire and Yorkshire Rly. Bldgs., Victoria Square, Hull.
1899.	NICOL, ROBERT GORDON	Harbour Engineer, Aberdeen.
1909.	NICOLL, HARRY HOME	Port of Para Docks and Shipyards Dept., Caixa 448, Para, Belem, Brazil.
1911.	NIELSEN, JENS PETER CHRIS-	40 Spencer Road, Bedford.
1912.	NIXON, WILLOUGHBY FRANCIS	Messrs. Percy Grant & Co., 25 De Mayo 158, Buenos Aires, Arg. Rep.
1902.	NOAKES, THOMAS ELIAS	Berwyn, Hurst Road, Bexley, Kent.
1886.	Noakes, Thomas Joseph	66 Onslow Gardens, Muswell Hill, N.
1884.	Noakes, Walter Maplesden	Long Rede, Barming, Maidstone.
1909.	NOLET, PAUL	Société des Ingénieurs Civils de France, 19 Rue Blanche, Paris.
1913.	NORFOLK, TOM LORD	Dock Engineer's Dept., Mersey Docks & Harbour Board, Liver- pool.
1904.	Norman, James	247A Cavendish Road, Balham, S.W.
1892.	Norris, William	Peter Pilkington Ltd., Dowry Iron Works, Bamber Bridge, Preston.
1912.	NORTH, JOHN FREDERICK	Pará Electric Rlys., Box 29, Pará, North Brazil.
1900.	NORTHEY, PERCY WILBRAHAM	Rolls-Royce Ltd., 14 & 15 Conduit St., W.
1905.	NUGENT, Major CHARLES HUGH HODGES, R.E	Office of Director-General, Military Works, Simla, India.
1898.	NUTT, GEORGE BEAUMONT	European Commission of the Danube, Sulina, Roumania.

1916.	OAKES, LieutCol. RICHARD, R.E.	War Office, Whitehall, S.W.
1887.		
1887.	O'Brien, John Owden	{ St. and Cross St., Manchester.
1900.	A.M.) Ograna Maranga Arayay	[Owden, Manchester.] Dashwood House, 9 New Broad St.,
1913.	A.M.) OCKENDEN, MAURICE ALBION	E.C. (Palace Chbrs., 9 Bridge St., West-
1888.	O'Donnell, John Patrick	minster, S.W.; and Walton Lodge, Banstead, Surrey. [O'Don- nell, London. Gerrard 3118.]
1889.	Ogden, Fred	Patent Office, 25 Southampton Bldgs., W.C.
1909.	OGLETHORPE, WILLIAM ALLAN	Mech. Supt., Mersey Docks and Harbour Board, Dock Office, Liverpool.
1903. 1906.	A.M. O'GORMAN, MERVYN, C.B	Royal Aircraft Factory, South Farnborough, Hants.
1893.	OKE, FRANCIS ROBERT	Admaston Cottage, Wistaston, Nantwich.
1909.	Okolski, Stanislaw Jan	Demievskij Snaziadnyj Zawod, Kieff-Demievka, Russia.
1913.	OLDFIELD, FREDERICK WILLIAM	Gas and Water Eng., Gas and Water Offices, Hull Road, Beverley.
1901.	Oldham, Fred	Messrs. Alexander Oldham & Sons, Dukinfield. [Weldless, Dukin- field. Hyde 8.]
1900.	OLDHAM, THOMAS	Messrs. Alexander Oldham & Sons, Dukinfield. [Weldless, Dukin- field. Hyde 8.]
1905. 1911.	A.M.) O'NEIL, RODOLPH STUART	57 Gracechurch Street, E.C.
1906.	O'NEILL, JOHN	Heatherley, Stonehill, Bordon, Hants.
1910.	ORAM, Eng. Vice-Admiral Sir Henry John, K.C.B., F.R.S. (Member of Council)	Engineer-in-Chief of the Fleet, Admiralty, S.W.
1899.	ORCUTT, HARRY FRED LEE	Rowington Hall, near Warwick.
1902.	Orde, Edwin Lancelot	Sir W. G. Armstrong, Whitworth & Co., Walker Shipyard, New-castle-on-Tyne.
1885.	ORMEROD, RICHARD OLIVER (Life Member)	Moorend Park Lawn, Cheltenham.
1899.	ORMSBY, ALFRED STEWART AUGUSTUS	Patent Office, 25 Southampton Buildings, W.C.
1902.	Ormsby, Edward Stuart	Messrs. C. P. Sandberg, Palace Chbrs., 9 Bridge St., West- minster, S.W.
1897.	ORR, CHARLES ROGER	Managing Director, Messrs. James F. Low & Co., Monifieth Foun- dry, Monifieth, Dundee.
1902. 1905.	A.M.) ORR, Professor JOHN	Transvaal University College, P.O. Box 1176, Johannesburg, Transvaal.
1907.	ORRELL, JOHN TURTON	7 Fairfield Avenue, Fairfield, Man- chester.

1907. A.M.) 1911. M.)	OSWALD, JAMES	(Sleaford Foundry, Nine Elms Lane, S.W.
1906.	Owen, Thomas	Cotswold, Boldmere Rd., Erdington, Birmingham.
1902. A.M.) 1911. M.)	Owston, William Henry	Messrs. John Russell & Co., Alma Tube Works, Walsall.
1903.	OXLADE, HENRY JOHN WILSON	St. Stephen's House, Westminster, S.W. [Victoria 2676.]

1908.	PACK, ALBERT EDWARD	P.O. Box 8, Premier Mine, Transvaal.
1912.	PAGE, FREDERICK JAMES	Loco. and Carr. Supt., Bombay, Baroda and Central India Rly.,
1908. A.M.) 1913. M.)	PAGE, JOHN HENRY	Bombay. Resident Mech. Eng., Metropolitan Rly., Power Stn., Neasden, N.W.
1905.	PAGET, CECIL WALTER	General Supt's. Office, Midland Rly., Derby.
1910,	Pain, Albert Charles	Messrs. Belliss and Morcom, Led- sam St., Birmingham.
1912.	Paramor, John	Managing Director, Watford Engineering Works, Watford.
1909.	PARDOE, HARRY	Brunswick House, Malvern Rd., Acocks Green, Birmingham.
1910. A.M.) 1915. M.	PARIS, PATRICK ALFRED	26 Ansdell Road North, Ansdell, Lytham.
1897. A.M.) 1900. M.)	Parish, Charles Edward	31 Hanger Lane, Ealing, W.
1898.	Park, Charles Archibald	Elmhurst, Carew Road, East- bourne.
1911.	PARK, GEORGE MOLYNEUX	Roden, Blackburn.
1905.	Parker, John Henry	1 Cliff Gardens, Frodingham, Don- caster.
1906.	PARKER, JOSEPH EDMUNDSON	P.O. Box 334, Bulawayo, Rhodesia.
1910. A.M.) 1912. M.)	Parkinson, Bernard Robert	420 Salisbury House, London Wall, E.C.
1902. A.M.)	PARKINSON, CHARLES FRED-	(Res. Eng., Corpn. Electricity
1907. M.)	ERICK	Works, Blackhall, Paisley.
1895. A.M.)	PARKINSON, HUDSON CLOUGH	Engineer's Office, Cumberland
1895. M.		Basin, Bristol Docks, Bristol. (Rochester Bldgs., 138 Leadenhall
1899.	PARRACK, WILLIAM THOMAS	St., E.C.
1892.	PARRATT, WILLIAM HEATHER	Oreek House, Canje, Berbice, British Guiana.
1892.	PARROTT, THOMAS HENRY	Fairlight, Westfield Rd., Edgbaston, Birmingham.
1886.	PARRY, ALFRED	Staveley, Sandheys, Waterloo, Liverpool. [Revolving, Liver- pool. Waterloo 770.]

1900.	Parry-Jones, Richard	Salvage Assocn., Lake Dept., 862 Rockefeller Bldg., Cleveland, Ohio, U.S.
1914.	PARSONS, The Hon.Sir CHARLES ALGERNON, K.C.B., LL.D., D.Sc., F.R.S.	Heaton Works, Newcastle-on-Tyne. [Former Member 1882–87.]
1898. 1914.	A.M. PARSONS, HARRY	Parsons Motor Co., Town Quay, Southampton. [Motors, South- ampton. 342.]
1878.	PARSONS, The Hon. RICHARD CLERE	[39 Victoria St., Westminster, S.W. [Outfall, London.]; and 48 Prince's Gardens, S.W.
1904.	PARTRIDGE, HENRY RALPH CHAMPION	6 Church Row, Putney Bridge, Fulham, S.W.
1896.	{PATCHELL, William Henry (Member of Council)	Caxton House, Tothill St., West- minster, S.W. [Patchell, Lon- don. Victoria 898.]
1911.	PATEL, ARDESHIR KAVUSJEE	Ohmiar Foundry and Engineering Works, Moteesha Rd., Mazgaon, Bombay.
1912.	Paterson, Alexander	Messrs. Dick, Kerr & Co., Ab- church Yard, Cannon Street, E.C.
1903. 1908. 1880.	A.M., M., PATERSON, SYDNEY	Tudor House, West Over Cliff Drive, Bournemouth.
1884.	M. PATERSON, WALTER SAUNDERS	27 St. Stephen's Rd., Ealing, W. (Managing Director, Paterson En-
1910.	PATERSON, WILLIAM	gineering Co., India House, Kingsway, W.C.
1902. 1908.	$\left. egin{array}{ll} A.M. \\ M. \end{array} ight\}$ Patey, Abthub Pettman $ \ldots $	H.M. Office of Works, Storey's Gate, Westminster, S.W.
1881.	Patterson, Anthony	Dowlais Iron Works, Cardiff; and 9 Glossop Terrace, Cardiff.
1891.	Paul, Matthew	Levenford Works, Dumbarton.
1872.	Paxman, James Noah	Standard Iron Works, Colchester. [Paxman, Colchester.]
1915.	PAYNE, FRANCIS WILLIAM	Messrs. F. W. Payne & Co., 62 London Wall, E.C.
1900. 1903.	M.) PAYNE, Professor HENRY	The University, Melbourne, Victoria.
1905. 1915.	M. PAYNE, RAYMOND	62 London Wall, E.C.
1880.	PEACHE, JAMES COURTHOPE	The Mount, Haywards Heath.
1869.	PEACOCK, RALPH	Gorton Foundry, Manchester; and Charters, Ascot.
1899. 1902.	A.M. PEARCE, STANDEN LEONARD	Corpn. Electric Light Stn., Dickin- son St., Manchester.
1911.	PEARCE, WALTER RICHARD	c/o Messrs. Grindlay, Groom and Co., Bombay.
1911. 1906.	Pearson, Henry Lawrence Pearson, James	Municipality, Rangoon, Burma. 15 Hornby Row, Fort, Bombay.
1914.	PEARSON, ROBERT JAMES BAILLIE	(Maida Villa, Snake's Lane, Wood- ford, E.
1904. 1907.	A.M.) PEARSON, THOMAS WILLIAM	Loco. Supt. and Works Manager, Alexandra (Newport and South Wales) Docks and Rly., Newport, Mon.

1901. Peart, John	Tukeroo, Rosslyn St., East Brisbane, Queensland.
1903. PECKETT, THOMAS	Atlas Locomotive Works, Bristol. [Peckett, Bristol. 7306.]
1898. A.M., 1902. M., Pedley, Heber Isaac	Messrs. Rudge-Whitworth, Rea St.
1888. PEEL, CHARLES EDMUND	South, Birmingham.
1899. PEET, JAMES	30 Empress Road, Derby.
1898. PEET, WILLIAM GADSBY	Loco. Dept., Midland Rly., Bristol; and 57 Salisbury Rd., Red-
1006 4 35	land, Bristol.
1906. A.M. PEIRCE, HARRY BOYD	Gen. Supt., Public Works Workshops, Mint Buildings, Madras.
1908. A.M.	Messrs. Craven Brothers, Reddish,
1314. M.)	Stockport. Heath Lodge, Alderley Edge, Man-
1903. PENDLEBURY, CHARLES	chester.
1896. A.M.) PENDRED, LOUGHNAN ST. LAW- 1907. M.) RENCE	
1873. PENN, WILLIAM	St. Albans Court, Dover.
1912. FENWARDEN, CHARLES WILLIAM HARRY	Manager, Gun Carriage Factory, Jubbulpore, India.
1904. G.)	
1910. A.M. PERCY, HARRY LEONARD	13 Hanger Lane, Ealing, W.
	(Savings Bank Bldgs., St. George's
1910. M. Weston	St., Cape Town, Cape Colony. Bombay Burma Trading Corpn.,
1904. {PERRY, WILLIAM FREDERICK SUCKLING	Rangoon, British Burma.
1893. A.M. 1913. M. PERTWEE, HEBBERT ARTHUR	Nelson Iron Works, Great Yar-
1913. M. J LERTWEE, HERBERT ARTHOR	mouth. [Pertwee, Great Yar- mouth. 0178.]
1014 (PETAVEL, Professor JOSEPH	Whitworth Engineering Labora-
1914. { ERNEST, B.Sc., F.R.S	tories, The University, Man- chester.
1894. A.)	Moorgate Works, Moorfields, E.C.
1900. A.M. PETERS, LINDSLEY BYRON	[Peters, London.]
1906. Petiz, Jorge Augusto	(Estrada de Ferro Central do Brazil, Rio de Janeiro, Brazil.
1900. A.M.) PETTER, ERNEST WILLOUGHBY	73 Queen Victoria St., E.C.
1904. M., 1811. M. 1814. G.)	[Escapable, London. City 9800.]
1899. A.M. PETTER, PERCIVAL WADDAMS	Works Manager, Nautilus Works,
1914. M.)	Yeovil. [Petter, Yeovil.]
1898. PETTIGREW, WILLIAM FRANK	(Loco. Supt., Furness Rly., Barrow- in-Furness.
1906. A.M.) PETTIT, CHARLES WILLIAM	Deputy Res. Eng., Govt. Water Works, Accra, Gold Coast Colony,
1906 A.W.)	W. Africa. (Brookville, Hale Lane, Edgware,
1913. M. FETTIT, WALTER RICHARD	Middx.
1893. PHILIP, WILLIAM LITTLEJOHN	Strathavon, Melksham. (Inspector of Ordnance Machy.,
1905. A.M.) PHILLIPS, Captain FRANK 1911. M.) HUGH, A.O.D.	Army Ordnance Dept., British
(PHILLIPS Sir LIONET Bort	Expeditionary Force. Messrs. Wernher, Beit & Co., 1
1885. { (Life Member)	London Wall Bldgs., E.C.

Date	of	Ele	ction
and	of '	Fran	sfer.

and of Flamblet	•	
1879. G.)	Director Donana Francis	(70 Chancery Lane, W.C. [Phicycle,
1884. M.	PHILLIPS, ROBERT EDWARD	Loco. Dept., G.W. Rly., Bristol.
1902.	PHILLIPS, WILLIAM	Loco. Dept., G.W. Rly., Bristol.
1900. A.M.)	Degree Presser	Electric Light Dept., Cape Govt.
1903. M.)	PICKERING, FRANK	Railways, Cape Town, Cape Colony.
1894.	Pickering, Jonathan	Baltic Chbrs., 50 Wellington St., Glasgow. [6180.]
		Genl. Manager, Cambridge Electric
1912.	PIERCE, ROBERT CECIL	Supply Co., Thompson's Lane, Cambridge.
1905. A.M.	PIERCY, GEORGE FREDERICK	53 and 54 Broad St., Birmingham.
1908. M.	TIMET, GEORGE PREDERICA	
1888. G.) 1890. M.)	PILKINGTON, HERBERT	Sheepbridge Iron Works, Chesterfield.
1897. A.M.)		Genl. Manager, Messrs. Galloways Ltd., Knott Mill Iron Works,
1899. M.	PILLING, HENRY	Ltd., Knott Mill Iron Works, Manchester.
		National Boiler and General
1912.	PILLING, JAMES	Insce. Co., St. Mary's Parsonage,
		Manchester.
1892.	PINDER, CHARLES RALPH	coo Messrs. Dickeson and Stewart,
		94 Queen Victoria St., E.C.
1908. A.M.)	PINSENT, SIDNEY HUME	Messrs. Pinsent Mathews & Co., Necochea 655, Buenos Aires, Arg.
1911. M.	PINSENT, SIDNEY HUME	Rep.
1892,	Press Gronge	1270 Plumstead Common Road,
1002,	Pirie, George	Plumstead.
1000	(PIRRIE, The Right Hon. Lord,	c/o Messrs. Harland & Wolff Ltd.,
1888.	(K.P., P.C., LL.D	{ 1A Cockspur Street, Charing Cross, S.W.
1000	(PITT, WALTER (Member of	(Newark Foundry, Bath. [Stothert,
1883.	(Council)	{ Bath.]
400=		Messrs. Wheatley Kirk, Price
1887.	PLACE, JOHN	& Co., 46 Watling St., E.C. [Indices, London. Bank 5077.]
#000	- 12	(Dudbridge Iron Works, Stroud,
1899.	PLATT, FRANCIS JAMES	Glos.
1903,	PLATT, FRED	King's Hill Foundry, Wednesbury.
2000.	LLATT, FRED	[Platt, Wednesbury. 60.] King's Hill Foundry, Wednesbury.
1903.	PLATT, ISAIAH	[Platt, Wednesbury. 60.]
1869.	PLAYER, JOHN (Life Member)	Thirlestaine Hall, Cheltenham.
1912.	PLOWRIGHT, JOHN TEBBUTT	2 Wilton St., Holderness Rd., Hull.
1015		Messrs. Goodwin, Barsby & Co.,
1915.	Pochin, Harry Simpson	St. Margaret's Iron Works,
		Leicester. (Messrs. Goodwin, Barsby & Co.,
1915.	Pochin, Robert Francis	St. Margaret's Iron Works,
		Leicester.
1903. A.M.)	POCOCK, JAMES HERBERT	Messrs. Willans & Robinson, Vic-
1911. M. s		toria Works, Rugby.
	Pogson, Joseph	26 St. Albans Avenue, Halifax. (c/o The Royal Automobile Club.
1907.	Pollard, George	Pall Mall, S.W.
1893.	POLLIT, EDWARD ERNEST	Bank Foundry, Sowerby Bridge.
1904.	POLLOCK, WALTER	3 Lloyds Avenue, E.C. [Specific,
		\ London. Central 493 (3 lines).]

1916.

Date of Election and of Transfer.	
1914. POMEROY, LAURENCE HENRY	Vauxhall Motors Ltd., Luton. (Messrs. Whitehead and Poole,
1915. Poole, John	Milltown Engineering Works, Radcliffe, Manchester. (St. Just, Chew Hill, Chew Magna,
1898. POOLEY, HENRY	Bristol.
1902. POPE, WILLIAM WALLER	Hatfield, The Grove, Slough. (Messrs. William Tatham & Co.,
1901. M. FORRITT, LOUIS ALFRED	Vulcan Works, Rochdale.
1897. A.M. PORTER, STANLEY WILLIAM	32 Queen Victoria St., E.C.
1905. A.M.) POTTER, HENRY SAMUEL	Flottmann Engineering Co. (S.A.), P.O. Box 5510, Johannesburg, Transvaal.
1890. POTTER, WILLIAM HENRY	Temple Bldgs., Albert St., Notting- ham.
1878. Powel, Henry Coke	1 Vancouver Road, Catford, S.E. [Ovifuel, London. Sydenham 2007.]
1899, A.M.) Parana Farana Parana	Messrs. Whitehead & Co., Portland
1915. M. POWELL, ERNEST BRECON	Harbour Torpedo Works, Wey- mouth.
1907. A.M.) POWELL, HERBERT JAMES	j75 Belsize Park Gardens, Hamp-
1914. M. SINGHAM	t stead, N.W.
1915. M.) POWELL, LLEWELLYN HENRY	45 Scotland Street, Glasgow.
1906. A.M. POWELL, WILLIAM HOWARD 1910. M. HINTON	5 Harewood Hill, Darlington.
1891. (POWLES, HENRY HANDLEY)	90 Oakley St., Chelsea, S.W.
1867. PRATCHITT, JOHN	Denton Iron Works, Carlisle.
1910. PRATT, CHARLES ALFRED	Norfolk House, Laurence Pountney Hill, E.C.
1906. A.M.) 1911. M. PRATT, HARRY KEAY	Chalfonts, Waterloo Avenue, Leiston, Suffolk.
1905. PRATTEN, FREDERICK EDWARD	Messrs. J. and E. Hall, Dartford.
1885. Pratten, William John	Mornington, Derryvolgie Avenue, Belfast. (Eng. and Chief Surveyor, Urban
1902, PRESCOTT, WALTER HENRY	District Council, Council Bldgs.,
	Tottenham, N. [Prescott, Lower Tottenham.]
1903. A.M.) PRESTON, FREDERICK KEN- 1906. M.) NERLEY	79 Netheredge Road, Sheffield.
1901. A.M.) PRESTWICH JOHN ALEBED	Tariff Road, Northumberland Park,
1911. M., TRISTWICH, COM ARTHUR	Tottenham, N. Kia-Ora, Lane Cove Road, Gordon, N.S.W.
1912. PRICE, ERNEST	United Water Softeners Ltd., 20
	Mount Street, Manchester. (46 Watling St., E.C. [Indices,
1877. PRICE, HENRY SHERLEY	[46 Watling St., E.C. [Indices, London. Bank 5077.]
1896. PRICE, JAMES	Harbour Eng., Custom House St., Cork.
1890. PRICE, JOHN	Inspecting Eng., Workington. Dyserth Castle, Dyserth, Rhyl.
1886. G.) PRICE - WILLIAMS, SEYMOUR	Post Office, Nairobi, British East
1889. M.) WILLIAM	Africa.

and of I	remotor.		
1906.		Pringle, Percival John	Doonside, Ballarat, Victoria. (Port Dinorwic Dry Dock, Carnar-
1896. 1899.	A.M. M.	PRITCHARD, HUGH	vonshire; and Cae Gwyn, Port Dinorwie, R.S.O., Carnarvon- shire.
1904. 1908.	A.M.) M.)	PRITCHARD, LEONARD HANMER	c/o Messrs. Swan Hunter and Wig- ham Richardson, Wallsend Ship- yard, Wallsend-on-Tyne.
1895.		PROCTOR, CHARLES FARADAY	78 Connaught Road, Cardiff.
1916.		PROUD, GEORGE	Beaver Proud Engineering Co., Casilla 1198, Valparaiso, Chile.
1912.		PROUT, FRANK	121 Claremont Road, Pendleton, Manchester.
1895. 1898.	A.M. M.	Pugh, Charles Vernon	Radford House, Coventry.
1899. 1910.	A.M.)	Pugh, John Vernon	Guiting House, Allesley, Coventry.
1895. 1900.	A.M.)	Pullar, Albert Evans	Pullar's Dye Works, Perth.
1887. 1890.	G.) M.}	Pullen, Professor William Wade Fitzherbert	Stirling House, Heaton Moor Rd., Heaton Moor, Stockport.
1898.	111.)	PULMAN, THOMAS CHARLES	43 Birch Grove, Acton, W.
1915.		Punter, James William	Gen'l. Manager, Messrs. Tyer & Co., 16 Ashwin Street, Dalston, N.E.
1884.		PUPLETT, SAMUEL	47 Victoria St., Westminster, S.W.
1908.	A.M.)	Densey Wirmen Haves	(Messrs. Herbert Morris Ltd., Em-
1912.	M.)	PUBNELL, WALTER HENRY	press Works, Loughborough.
1901.	G.)		(Electricity Offices, Victoria Via-
1904.		PURSE, FREDERICK WALTER	duct, Carlisle.
1913.	M.)	PYNE, Sir THOMAS SALTER,	
1887.	{	C.S.I	Badminton Club, Piccadilly, W.

1913.	QUENNELL, Captain WILLIAM {	Inspector of Ordnance Machinery, c/o R.A. Mess, Colaba, Bombay.
1909.	QUIGGIN, DANIEL ARTHUR 1	19 Castle Street, Liverpool.
1900.	QUIRK, WILLIAM MONTAGUE { HARLEY	Findon House, 352 Flinders Lane, Melbourne, Victoria.

1878.	RADFORD, RICHARD HEBER [15 St. James' Row, Sheffield. [Radford, Sheffield.]
1899. A.M.) 1904. M.)	RADLEY, BERTRAM VERNON E. I. Rly., Jamalpur, Bengal.
1885.	RAINFORTH, WILLIAM {Britannia Iron Works, Lincoln. [Rainforths, Lincoln.]
1894. A.M.)	RAMSBOTTOM, JOHN GOOD- 86 Commonwealth Avenue, Chest- rellow

1908. RANA, Chief Colonel KESHORE	
1900 G) NARSINGH	Govt., Katmandu, Nepal, India. (St. Stephen's House, Victoria Em-
1909. M. RANSOM, HERBERT BYROM	bankment, Westminster, S.W.
1909. RANSOM, PETER AUGUSTUS	
1888. RAPLEY, FREDERICK HARVEY	500 Caxton House, Westminster, S.W.
1906. A.M.) RAPPOPORT, FREDERICK	British Burma Petroleum Co.,
1913. M. GERALD	D
1904. RATEAU, Professeur AUGUSTE	7 Rue de Madrid (8º Arrt.), Paris.
1913. RATHMELL, BERNARD	Redcross Chambers, 11 Redcross St., Liverpool.
1893. (RAVEN, VINCENT LITCHFIELD	Acting Chief Supt., Ordnance Fac-
(Member of Council)	tories, Royal Arsenal, Woolwich. 35 and 36 Bedford St., Strand,
1906. RAWORTH, BENJAMIN ALFRED	W.C.
1895. G.)	(Sir W. G. Armstrong, Whitworth &
1896. A.M. RAYNER, HARRY STAFFORD	Co., Ashton Rd., Openshaw,
1895. G.)	(manonesser.
1899. A.M. READ, GEORGE HENRY	89 Lambton Rd., Wimbledon, S.W.
1912. M.)	(6 Znamenskaya, Charkov, S.
1904. READ, HENRY GEORGE	Russia.
	Messrs. John Readhead & Sons,
1887. READHEAD, ROBERT	West Docks, South Shields [Read- head, South Shields. G.P.O. 14.
1001.	Nat. 2024.]; and South Garth,
	South Shields.
	Managing Director, Kestner Evaporator and Engineering Co., 37
1912. REAVELL, JAMES ARTHUR	Parliament Street, Westminster,
	S.W.
1907. REAVELL, WILLIAM	Messrs. Reavell & Co., Ranelagh Works, Ipswich.
1901. REDMAN, JOSEPH	Diament Town XXI and TI life
1903. REDMAN, JOSEPH FELL	
1881. REDPATH, FRANCIS ROBERT	Inglenook, 29 Ontario Avenue, Montreal, Canada.
	Works Manager, Messrs. Craven
1913. REED, FRANK WILLIAM	
	Osborne St., Manchester. (Chief Eng., Manchester Ship Canal
1913. REED, HENRY ASHMAN	Co., 41 Spring Gardens, Man-
	(Fjærland, Queen's Road, Monks-
1894. REED, JOSEPH WILLIAM	onton Whitler Par Northum
	berland.
1891. REED, THOMAS ALFRED	Bute Docks, Cardiff. [Steam, Cardiff. 171.]
1006 Ruber Aprora Kaparana	(Dowlais-Cardiff Works, East Moors,
1906. Reese, Arnold Karthaus	Cardiff.
1902. G. 1911. A.M. REEVE, EDWARD	Wolseley Motors Ltd., Adderley
1915. M.)	Park, Birmingham.
1904. A.M.) REEVE, ROBERT JOHN ROBEY	Chief Eng., Messrs. John Birch &
1912. M.)	Co., 2 London Wall Bldgs., E.C.

1901. REEVES, ARTHUR ROBERT 1911. REEVES, ARTHUR WILLIAM 1897. REID, HUGH (Life Member) 1891. REID, HUGH (Life Member) 1912. REID, JAMES 1914. REID, JAMES 1915. REID, JOHN (Life Member) 1904. A.M. 1912. M. 1904. A.M. 1912. M. 1904. A.M. 1912. M. 1904. A.M. 1912. RENDELL, ALAN WOOD 1897. RENDELL, ALAN WOOD 1898. RENDELL, ALAN WOOD 1899. RENOLD, HANS 1900. RENOLD, HANS 1901. REYNOLDS, GEORGE BERNARD 1899. REYNOLDS, GEORGE BERNARD 1906. REYNOLDS, Eng. Lieut. JAMES ARTHUR, R.N., rct 1890. REYNOLDS, Eng. Lieut. JAMES (REYNOLDS, Eng. Lieut. WILLIAM HERRY, R.D., R.N.R. 1915. REYNOLDS, Eng. Lieut. WILLIAM HERRY R.D., R.N.R. 1906. REYNOLDS, Eng. Lieut. JAMES (REYNOLDS, Eng. Lieut. WILLIAM HERRY R.D., R.N.R. 1916. REYNOLDS, Eng. Lieut. WILLIAM HERRY R.D., R.N.R. 1917. RICHARDSON, CHARLES ERNEST LOWERS R. RICHARDSON, ERNEST LOWTHER 1912. RICHARDSON, HARRY ALFRED 1894. RICHARDSON, HARRY ALFRED 1895. RICHARDSON, HARRY ALFRED 1896. RICHARDSON, HARRY ALFRED 1897. RICHARDSON, HARRY ALFRED 1898. RICHARDSON, HARRY ALFRED 1899. RICHARDSON, HARRY ALFRED 1890. RICHARDSON, HARRY ALFRED 1891. REID, AND REID AND ROW ROWERS, Class gow. [Loco, Glasgow. Royal 822.] 1892. RICHARDSON, HARRY ALFRED 1894. REID, HUGH (Life Member) 1895. REID, JAMES 1896. REID, JAMES 1897. REID, JAMES WILLIAM 1898. REMDELL, ALAN WOOD 1898. RENDELL, ALAN WOOD 1899. REN	and of Transier	•	
Reid Andrew Thomson (Life Member)	1901.	REEVES, ARTHUR ROBERT	
Reid, Andrew Thomson (Life Member)	1911.	REEVES, ARTHUR WILLIAM	
Hyde Park Loco. Works, Glasgow. Royal 822.] 1912. Reid, James			
Serial Reid, Hugh (Life Member) Serial Loco, Glasgow, Royal 822.]	1897.		
1891. Reid, Hugh (Life Member) Hyde Park Loco, Works, Glasgow. [Loco, Glasgow. Royal 822.] 1912. Reid, James 108 Hope St., Glasgow. North British Locomotive Co., Hyde Park Loco, Works, Glasgow. North British Locomotive Co., Hyde Park Loco, Glasgow. Royal 822.] 1904. A.M. Remington, Alfred Arnold Motor Car Co., Adderley Park, Birmingham. Westinghouse Brake Co., 82 York Rd., King's Cross, N.; and 101 Canfield Gardens, S. Hampstead, N.W. Burnage Works, Didsbury, Manchester. [Driving, Manchester. Heaton Moor 295.] Chief Eng., Metropolitan Water Board: 17 Queen's Gate, South Kensington, S.W. (Reunert & Lenz, P.O. Box 92, Johannesburg, Transvaal. Yenezuelan Oil Concessions Ltd., o/o British Consul, Maracaibo, Venezuela. (P.O. Box 92, Johannesburg, Transvaal. Paper Liam Henry, R.D., R.N.R. Reynolds, Eng. Lieut. Villam Henry, R.D., R.N.R. Richardson, Eng. Lieut. William Henry, R.D., R.N.R. Richardson, Charles Ernest Richardson, Englar, Henry William Hall [Wessrs. Richardson & Blair, 11 Greys St., Welligton, N.Z. [Richardson, Harry alfred] and Tranways Depts., Dudhope Crescent Rd., Dundee Messrs. Hick Hargreaves & Co., Soho Iron Works, Crook Street,	20077	(Member)	
gow. [Loco, Glasgow. Royal 822.] Messrs. Reid, McPherson & Co., 108 Hope St., Glasgow. North British Locomotive Co., Hyde Park Loco, Works, Glasgow. [Loco, Glasgow. Royal 822.] 1904. A.M., 1912. M.) REMINGTON, ALFRED ARNOLD 1889. RENDELL, ALAN WOOD 1889. RENDELL, ALAN WOOD 1890. RENOLD, HANS 1890. RESTLER, JAMES WILLIAM 1891. REYNOLDS, GEORGE BERNARD 1891. REYNOLDS, GEORGE BERNARD 1892. REYNOLDS, Eng. Lieut. JAMES SAPTHUR, R.N., ret 1898. REYNOLDS, Eng. Lieut. JAMES SAPTHUR, R.N., ret 1899. REYNOLDS, Eng. Lieut. WILLIAM FLECK 1899. RICHARDS, EDWARD WINDSTEIL 1890. RICE, THOMAS SYDNEY 1891. RICHARDS, EDWARD WINDSTEIL 1892. RICHARDSON, HARRY ALFRED 1893. RICHARDSON, HARRY ALFRED 1894. RICHARDSON, HARRY ALFRED 1895. RICHARDSON, HARRY ALFRED 1897. RICHARDSON, HARRY ALFRED 1898. RICHARDSON, HARRY ALFRED 1899. RICHARDSON, HARRY ALFRED		(5:4.35.1.)	
1912. Reid, James	1891.	Reid, Hugh (Life Member)	
1897. REID, JOHN (Life Member) 108 Hope St., Glasgow. 1894. A.M., 1912. M. REMINGTON, ALFRED ARNOLD 1889. RENDELL, ALAN WOOD (Worth British Locomotive Co., Hyde Park Loc. Works, Glasgow. 1822.] 1894. A.M., 1912. M. REMINGTON, ALFRED ARNOLD 1889. RENDELL, ALAN WOOD (Wolseley Tool and Motor Car Co., Adderley Park, Birmingham. Westinghouse Brake Co., 82 York Rd., King's Cross, N.; and 101 Canfield Gardens, S. Hampstead, N.W. Burnage Works, Didsbury, Manchester. (Driving, Manchester. Heaton Moor 295.] 1876. RESTLER, JAMES WILLIAM (Considered Gardens, S. Hampstead, N.W. 1883. (REUNEET, THEODORE (Life Member) (Life Member) (Life Member) (Policy Indiana, Moor 295.] 1879. REYNOLDS, GEORGE BERNARD (Messis, Reunert & Lenz, P.O. Box 92, Johannesburg, Transvaal. (Venezuela. P.O. Box 92, Johannesburg, Transvaal. (P.O. Box 92, Johannesburg, Transvaal. Suptg. Eng., East Anglian Ice Co., Lowestoft. (Messrs. Babcock and Wilcox, 102 St. Mary St., Cardiff. (Aldernary House, 60 Watling St., E.C. (Ricto, London.) (Windsor Richards, Llangibby.) (Phenix Iron Works, Leicester. 1912. RICHARDSON, ERNEST LOWTHER RICHARDSON, ERNEST LOWTHER RICHARDSON, HARRY ALFRED (Messrs. Hick Hargreaves & Co., Soho Iron Works, Crook Street, Messrs. Hick Hargreaves & Co., Soho Iron Works, Crook Street, Messrs. Hick Hargreaves & Co., Soho Iron Works, Crook Street, Messrs. Hick Hargreaves & Co., Soho Iron Works, Crook Street, Messrs. Hick Hargreaves & Co., Soho Iron Works, Crook Street, Messrs. Hick Hargreaves & Co., Soho Iron Works, Crook Street, Messrs. Hick Hargreaves & Co., Soho Iron Works, Crook Street, Messrs. Hick Hargreaves & Co., Soho Iron Works, Crook Street, Messrs. Hick Hargreaves & Co., Soho Iron Works, Crook Street, Messrs. Hick Hargreaves & Co., Soho Iron Works, Crook Street, Messrs. Hick Hargreaves & Co., Soho Iron Works, Crook Street, Messrs. Hick Hargreaves & Co., Soho Iron Works, Crook Street, Messrs. Hick Hargreaves & Co., Soho Iron Works, Crook Street, Messrs. Hick Hargreaves & Co., Soho Iron Works, Crook St			(Messrs Roid McPherson & Co.
North British Locomotive Co., Royal Bayes Loco, Glasgow. Royal Bayes Rendell, Alan Wood Rend Mood Rendell, Alan Wood Rendell, Alan Wood Rendell, Alan	1912.	Reid, James	108 Hope St., Glasgow.
gow. [Loco, Glasgow. Royal 822.] 1904. A.M.] REMINGTON, ALFRED ARNOLD (Wolseley Tool and Motor Car Co., Adderley Park, Birmingham. (Wostinghouse Brake Co., 82 York Rd., King's Cross, N.; and 101 Canfield Gardens, S. Hampstead, N.W. 1902. RENOLD, HANS			(North British Locomotive Co.,
1904. A.M.) 1912. M.) 1889. RENDELL, ALAN WOOD 1889. RENOLD, HANS 1902. RENOLD, HANS 1876. RESTLER, JAMES WILLIAM 1883. {REUNEBT, THEODORE (Life Member) 1879. REYNOLDS, GEORGE BERNARD 1910. REYNOLDS, HARRY 1906. {REYNOLDS, Eng. Lieut. JAMES ARTHUR, R.N., ret 1898. REYNOLDS, WILLIAM FLECK 1899. RICHARDS, EDWARD WINDSON (Past-President) 1897. {RICHARDS, EDWARD WINDSON (Past-President) 1897. {RICHARDS, ENGERDER WILLIAM HALL 1905. RICHARDSON, CHARLES ERNEST LOWTHER RICHARDSON, ERNEST LOWTHER RICHARDSON, HARRY ALFRED (Messrs. Hick Hargreaves & Co., Soon Iron Works, Crook Street, Sond Transways Depts., Duddope Crescent Rd., Dundee Electrical and Tramways Depts., Duddope Crescent Rd., Dundee Messrs. Hick Hargreaves & Co., Soon Iron Works, Crook Street, Sond Transways Depts., Duddope Crescent Rd., Dundee Messrs. Hick Hargreaves & Co., Sond Iron Works, Crook Street, Sond Transways Depts., Duddope Crescent Rd., Dundee Messrs. Hick Hargreaves & Co., Sond Iron Works, Crook Street, Sond Transways Depts., Duddope Crescent Rd., Dundee Messrs. Hick Hargreaves & Co., Sond Iron Works, Crook Street, Sond Transways Depts., Duddope Crescent Rd., Dundee Messrs. Hick Hargreaves & Co., Sond Iron Works, Crook Street, Sond Transways Depts., Duddope Crescent Rd., Dundee Messrs. Hick Hargreaves & Co., Sond Iron Works, Crook Street, Sond Transways Depts., Duddope Crescent Rd., Dundee Messrs. Hick Hargreaves & Co., Sond Iron Works, Crook Street, Sond Transways Depts., Duddope Crescent Rd., Dundee Messrs. Hick Hargreaves & Co., Sond Iron Works, Crook Street, Sond Transways Depts., Duddope Crescent Rd., Dundee Messrs. Hick Hargreaves & Co., Sond Iron Works, Crook Street, Sond Transways Depts., Duddope Crescent Rd., Dundee Messrs. Hick Hargreaves & Co., Sond Iron Works, Crook Street, Sond Transways Depts., Duddope Crescent Rd., Dundee Messrs. Hick Hargreaves & Co., Sond Iron Works, Crook Street, Sond Transways Depts., Duddope Crescent Rd., Dundee Messrs. Hick Hargreaves & Co., Sond Trans	1007	REID JOHN (Life Member)	
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Adderley Park, Birmingham. Westinghouse Brake Co., 82 York Rd., King's Cross, N.; and 101 Canfield Gardens, S. Hampstead, N.W. Burnage Works, Didsbury, Manchester. [Driving, Manchester. Heaton Moor 295.] Chief Eng., Metropolitan Water Board: 17 Queen's Gate, South Kensington, S.W. 1883. {Reunert, Theodore (Life Member)	1004 A M)		
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1915. {REYNOLDS, Eng. Lieut. WIL- LIAM HENRY, R.D., R.N.R. 1890. RICE, THOMAS SYDNEY	1898.	REYNOLDS, WILLIAM FLECK	
1890. RICE, THOMAS SYDNEY	2000.	· · · · · · · · · · · · · · · · · · ·	
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1866. {RICHARDS, EDWARD WIND- SOR (Past-President)	1000		
1897. {RICHARDS, EDWARD WIND- SOR (Past-President)	1890.	RICE, THOMAS SYDNEY	E.C. [Ricto, London.]
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1897. {RICHARDS, HENRY WILLIAM HALL	1866.	SOR (Past-President)	
1905. RICHARDSON, CHARLES ERNEST 1912. RICHARDSON, ERNEST LOWTHER 1917. RICHARDSON, HARRY 1918. RICHARDSON, HARRY ALFRED 1919. RICHARDSON, HARRY ALFRED 1910. RICHARDSON, HARRY ALFRED 1910. RICHARDSON, HARRY ALFRED 1911. Richardson, Ernest Lowther 1912. Richardson, CHARLES ERNEST 1913. Richardson, Klair, 11 1914. Grey St., Wellington, N.Z. Dist. Loco. and Carr. Supt., S. Indian Rly., Negapatam, Madras Pres., S. India. 1919. Richardson, Harry Alfred 1919. Richardson, Madras Pres., S. India. 1919. Richardson, Harry Alfred 1919. Richardson, & Blair, 11 1919. Grey St., Wellington, N.Z. Dist. Loco. and Carr. Supt., S. Indian Rly., Negapatam, Madras Pres., S. India. 1919. Crescent Rd., Dundee 1919. Richardson, Harry Alfred 1919. Richardson, Harry Alfred 1919. Richardson, Klair, 11 1919. Richardson, Harry Alfred 1919		(RICHARDS, HENRY WILLIAM	(Phœnix Iron Works, Leicester,
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1912. RICHARDSON, ERNEST LOWTHER RICHARDSON, ERNEST LOWTHER RICHARDSON, HARRY RICHARDSON, HARRY RICHARDSON, HARRY ALFRED	1905	RICHARDSON, CHARLES ERNEST	
1912. RICHARDSON, ERNEST LOWTHER Rly., Negapatam, Madras Pres., S. India. Engin-Chief, Dundee Electrical and Tramways Depts., Dudhope Crescent Rd., Dundee. Messrs. Hick Hargreaves & Co., Soho Iron Works, Crook Street,	1000.	2020200000	
1907. RICHARDSON, HARRY S. India. Engin-Chief, Dundee Electrical and Tramways Depts., Dudhope Crescent Rd., Dundee. Messrs. Hick Hargreaves & Co., Soho Iron Works, Crook Street,	1912	RICHARDSON, ERNEST LOWTHER	
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	2020	,	

Date	of	Election
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1873.	RICHARDSON, JOHN	Lincoln,
1891.	RICHARDSON, JOHN SCOTT	Craigard, Lenzie, Glasgow.
		(Supt. Eng., Messrs. T. & J. Har-
1909.	RICHARDSON, ROBERT DOUGLAS	rison, Mersey Chbrs., Liverpool.
		(Loco., Carr. and Wagon Supt.,
1895. G.)		Rhymney Rly., Caerphilly, Car-
1900. A.M.	RICHES, CABLTON TOM HURBY	diff; and Maesycoed, Caerphilly,
1906. M.)		Cardiff.
,		(Messrs. G. & J. Weir, Holm
1906.	RICHMOND, JOHN RITCHIE	Foundry, Catheart, Glasgow.
1010	Department Transport	
1912.	RIDDELL, HENRY	64 Great Victoria Street, Belfast.
1899.	RIDE, SAMUEL	85 Royal Exchange, Manchester.
		[Elevator, Manchester.]
1899.	RIDER, JOHN HALL	8 Queen Anne's Gate, Westminster,
		(S.W.
1907. A.M.)	RIDGWAY, GEORGE	Riverview House, Waterford.
1914. M.	action many common to the	
1895. A.M.)		(Sir W. G. Armstrong, Whitworth
1909. M.	RIDLEY, CLARENCE OLIVER	& Co., 8 Great George St., West-
1909. 11.)		minster, S.W.
1010	Designary Tomas you	(Von Glahn Strasse 15, Lehe-Speck-
1910.	RIEGEN, JOHANNES VON	enbüttel, Germany.
1904. A.M.)	T)	Wetcarbonizing Ltd., 61 Loreburn
1914. M.	RIGBY, THOMAS	St., Dumfries.
1011.		(Messrs. Head, Wrightson & Co.,
1907.	RINGQUIST, JUSTUS MAGNUS	Teesdale Iron Works, Thornaby-
1301.	Tellideolpt, a optop principo	on-Tees.
1885, G.)		(Messrs. Ransomes, Sims & Jefferies,
		Orwell Works, Ipswich.
1893. M.		
1884. A.)		Technical Dept., The University,
1886. M.)	D.Eng., D.Sc	Sheffield.
1902.	RISELEY, HARRY LORIMER	Westfield House, Westfield, Gos-
		forth, Newcastle-on-Tyne.
1879.	RIXOM, ALFRED JOHN	108 Park Rd., Loughborough.
1903.	ROBB, ALEXANDER	54 Park Avenue, Hull.
1893. A.M.)	ROBERTS, CHARLES THOMAS	Champion Reef G. M. Co. of
1907. M.	HOBERTS, CHRISTING THOMAS	India, Mysore Province, India.
		(Managing Director, Messrs. R.
1899.	ROBERTS, DAVID	{ Hornsby & Sons, Grantham.
		[Hornsbys, Grantham.]
1000	PODWING DAVID EVAN	(59 Queen St., Cardiff. [Formula,
1903.	ROBERTS, DAVID EVAN	Cardiff. 365.7
		(Exec. Eng., Public Works & Sur-
1908.	ROBERTS, EDMUND	veys, Labuan and Brunei, Straits
		Settlements.
		(Roberts' Bldgs., Stuart St., Dune-
1908.	ROBERTS, EDWARD	din, New Zealand.
		(Royal Ordnance Factories, Wool-
1906.	ROBERTS, GERVASE HENRY	wich.
1905. A.M.)		
1912. M.		Mech. Eng., Port Talbot Rly. &
1012. 111.)		Docks Co., Port Talbot.
1891.	ROBERTS, HUGH JORWERTH	42 Castle St., Liverpool. [In-
		genious, Liverpool.]
1887.	ROBERTS, THOMAS	Adelaide Club, Adelaide, South
		Australia.
1000	D	Messrs. Wm. McKinnon & Co.,
1902.	ROBERTSON, DAVID	Spring Garden Iron Works,
		Aberdeen.

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and	of	Tra	nsf	er.

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1903.	A.M.)	ROBERTSON, GEORGE FINDLAY	Suj
1911.	M. 5		Pri
1907. 1914.	M.	Robertson, Hugh, Jun]
1892.		Robertson, Leslie Stephen	28
1912.		ROBERTSON, THOMAS ROBERT	{Me
1904. 1914.	A.M.)	ROBEY, ERNEST WILLIAM	Gl
1905.		ROBIN, FREDERICK ALEXANDER)	Ro
1902.	1	GARIBALDI	Bis
1899.		ROBINS, ALBAN GEORGE ROBINS, GEORGE MEAD	My
1909.		ROBINSON, ARTHUR SAMUEL FRANCIS	(Th
1894.		Robinson, Charles John	Ra
1890.		Robinson, Frederick Arthur	Wo
1903.	G.)		(Me
1905.	A.M. >	ROBINSON, ISAAC VINCENT	{
1910. 1895.	M.)	Robinson, James	Ra
1898.		Robinson, James Armstrong	{St
1913.		Robinson, John Edmund	\W
1878.		Robinson, John Frederick	No
1891,		Robinson, John George	Ch
1901. 1907.	A.M.)	Robinson, Leonard Leslie	Bo
1909.	A.M.)	Robinson, Leslie Hampton	W
1910.	м.)	(DODTTO)	(Pa
1894.		ROBINSON, MARK HEATON (Vice-President)	1
1895.		ROBINSON, Professor WILLIAM	U:
1906. 1914.	A.M.) M.)	Robson, George	L
1899.		Robson, William Henry	22
	A.M.)		Th
1912. 1907.	M.S	James Paulo, A.O.D	(Su
1909.			CM
1906.		Rogers, George Kenyon	{M
1903.		ROGERS, HERBERT MALCOLM	81 (W
1908.		Rogenson, Albert Chorley	{"
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ptg. Eng., Carron Co., Carron, Falkirk.

incipal Port Officer's Office, Post Box 60, Rangoon, Burma. Victoria St., Westminster, S.W.

[Eyebolts, London.] essrs. Higginson & Co., 7 Hurst St., Liverpool.

enlyn, Eastwood Rd., South Woodford, N.E.

ocquaine, La Rocque, Jersey.

shopstone, Mayfield, Sussex. yall, Belmont, Sutton, Surrey. ne White House, Barsham, Beccles.

ailway Works, Rochdale. [Robinson, Rochdale.] oodthorpe, Leigh Hill, Cob-

ham.

essrs. Richardsons, Westgarth & Co., Hartlepool.

avenscraig, Seaforth, Liverpool. afford Road Works, G.W. Rly.,

Wolverhampton. orks Manager, Govt. Railway Works, Ipswich, Queensland.

orth British Locomotive Co., 17 Victoria Street, Westminster. S.W.

hief Loco. Eng., G.C. Rly., Gorton, Manchester; and Mere Bank, Fairfield, Manchester.

oro' Electrical Eng., Hackney Electricity Works, Millfields Rd., Clapton, N.E.

esthaven, Chiswick, W.

arliament Chambers, Great Smith St., Westminster, S.W. [Cyclostyle, London. Victoria 2610.1 niversity College, Nottingham.

oco. Carr. & Wagon Dept., Mashonaland, Rhodesia & Beira Rlys., Umtali, Rhodesia.

Woodland Road, Northfield, Birmingham.

ne Arsenal, Rawal Pindi, India.

apt. Eng., Steam Ship Dept., G. C. Rly., Grimsby. Lessrs. C. W. Lyon, Longclose Works, Dolly Lane, Leeds.

d Gracechurch St., E.C. Vorks Manager, Messrs. Beyer, Peacock & Co., Gorton Foundry, Manchester.

1916.

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_		(Genl. Manager, Messrs. James
1902.	ROGERSON, THOMAS BOND	Dunlop & Co., Clyde Iron Works,
1002,	Troubleson, Thomas Don't	Tolcross, Glasgow. [3659.]
		(International Buildings, Kingsway,
1906.	ROLFE, HARRY	W.C. [City 415.]
1898.	ROLFE, JOHN HERBERT HIERON	3/1 Mangoe Lane, Calcutta, India.
1030	TOLEE, JOHN HERBERT HIERON	(Brighton House, Warwick Rd.,
1892.	RONALD, HENRY	
	•	Olton, Birmingham.
1906.	RONCERAY, EUGÈNE	255 Rue St. Honoré, Paris (1er.),
	,,	France.
1908.	ROOKE, WILLIAM MASON	184, 5 Chome, Nakanoshima,
	Trooping Transmission	Osaka, Japan.
1903. G.)	ROOSE, FITZROY OWEN)	FO CI TO 1 TO 14 1
1906. A.M.	JONATHAN	58 Chaucer Road, Bedford.
1913. M.)	JOHAINAM	
1898. A.M.)	ROOTS, JAMES D	Thanet House, Temple Bar, W.C.
1899. M.	ROOTS, JAMES D	[Oaktree, London. Central 12327.]
1909. A.M.)	Rose, George Falconer (Life	18 Clive Row, P.O. Box 150, Cal-
1915. M,	Member)	cutta, India.
1911. A.M.)	· ·	Manager, Hastings Jute Mill,
1914. M.	Rose, Percy Thomas	Rishra, Bengal, India.
1896. G.)		
1899. A.M.	ROSEVERE, GERALD RHODES	1 Richmond Rd., Wolverhampton.
1912. M.	200m rating or animal and animal anim	
1908. A.M.)		(Union Chambers, Temple Row,
1910. M.	Rosher, Noël Burn	Birmingham.
		Supt. Eng., Leeds and Liverpool
1902.	Ross, John	Canal Co. Wigan
		Canal Co., Wigan. North Wall Iron Works, Dublin.
1881.	Ross, William	[Iron, Dublin. 311.]
1006 A M)	ROTHERY, WILLIAM BROCK-	The Muirlands, Kirkby-in-Furness,
1896. A.M.)		Lanes.
1898. M.	BANK	Wharf Foundry, Bolton. [Jack-
1898. A.M.)	Rothwell-Jackson, Harry	son, Bolton. 34.]
1902. M.	LOXTON	
1904.	ROUGHT, CHARLES	Holmwood, Surbiton.
	(D	Mech. Eng. to the L.C.C., County
1893.	ROUNTHWAITE, HENRY MORRI-	Hall, Spring Gdns., S.W.; and
	BON	12 Holmbush Rd., Putney Hill,
4050	D D	(S.W.
1878.	ROUTH, WILLIAM POLE	Oakfield, Southern Hill, Reading.
1898.	Row, OLIVER MATTHEWS	Dalham Engineering Works, Irlam,
2000.	2001, 0221222	Manchester.
1914.	Rowe, Gilbert	Queen Anne's Chambers, West-
		minster, S.W.
1911,	ROWLAND, WILLIAM	Loco. Dept., Great Central Rly.,
2011	200112012129 11222222	Gorton, Manchester.
		Messrs. Barlow & Chidlaw, Ltd.,
1907.	ROWLEY, STAMFORD HARRY	Croft St., Pendleton, Manchester.
		[Works, Manchester. 3685.]
1903.	Roy, WILLIAM	[Works, Manchester. 3685.] Messrs. Spencer & Co., Melksham.
1898.	ROYCE, FREDERICK HENRY	Messrs. Rolls-Royce, Ltd., Night-
	TOTOE, PREDERICK HENRY	ingale Rd., Osmaston, Derby.
1897. A.M.)	BOYLANGE ADMIND UN-	Haworth's Bldgs., 5 Cross St., Man-
1900. M.	ROYLANCE, ARTHUR HERBERT	chester.
1901. A.M.)	Punnen Harry Deserve	(8 Grove Terrace, Osmaston Rd.,
1910. M.	RUDDER, FRANK PERCY	Derby.
1896. A.M.	D	
1911. M.	RUFFLE, FRANK FELINGHAM	Messrs. Martin & Co., Calcutta.
,		

1905.	RUNDALL, Major CHARLES FBANK, R.E	{152nd (Field) Co., Royal Engineers, British Army in the Field.
1906.	Russell, Francis William	Messrs. Juan Bannister Sucesores, Mexico City D.F., Mexico.
1902.	RUTHVEN - MURRAY, ETHEL- BERT THOMAS	Engin-Chief, N. Metrop. Electric Power Supply Co., Manor House Offices, Seven Sisters Rd., Fins- bury Park, N.
1902.	RUTTER, HENRY FILLMER	Eng., Western District, Metro- politan Water Board, 41 and 43 Commercial Road, Pimlico, S.W.
1904. A	A.M. RYAN, JOHN	68 Avenue de la Grande Armée, Paris.
1901. A	A.M. RYDER, GEORGE ALBERT	Turner Bridge Iron Works, Tonge, Bolton,

	1908.	SAINSBURY, HENRY CECIL Messrs. Stothert and Pitt, Newark BAYLEY Foundry, Bath.
	1902.	SAINTY, CHRISTOPHER 28 Alma Road, Windsor.
	1903.	Sampson, Edward Dudley Perambore, Madras, India.
	1881.	Samuelson, Ernest Britannia Iron Works, Banbury.
	1915.	Samuelson, Frederick {Chief Engr., Turbine Dept., British Thomson-Houston Co., Rugby.
	1899.	SANDEMAN, EDWARD {17 Victoria St., Westminster, S.W. [Victoria 134.]
	1871.	Sanders, Richard David Struan, Beaconsfield Rd., Black-heath, S.E.
	1886.	Sandford, Horatio Messrs. E. A. and H. Sandford, Thames Iron Works, Gravesend.
	1891.	SANDS, HAROLD The Moat, Charing, Ashford.
	1912.	SANGUINETTI, VIVIAN 13 Abingdon Road, Kensington, W.
	1906. 1914.	A.M. SANKEY, BERNARD (Municipal Electric Supply Offices, Port Elizabeth, Cape Colony.
		(SANKEY, Captain MATTHEW (Marconi House, Strand, W.C.
टला	1894.	HENRY PHINEAS RIALL, R.E., [Care Expanse Cable, London.
		ret. (Member of Council) City 8710.] (Messrs. Philip and Son, Sand-
	1914.	SAUTTER, JOHN JULES august Engineering Works, Dart-
M	1900.	SAUVAGE, Professeur EDOUARD (14 Rue Eugène Flachat (17° arr'),
	1915.	SAWDEN, HAROLD FISHER 69 Cranbrook Road, Ilford.
	1000	Openshaw Engineering Works and
	1893.	SAXON, ALFRED Examiner Bldgs., Manchester. [959 and 3904.]
	1894.	SAXON, GEORGE Openshaw Engineering Works and Examiner Bldgs Manchester.
	1001,	SAXON, GEORGE Examiner Bldgs., Manchester. [959 and 3904.]

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1894.	SAXON, JAMES	Openshaw Engineering Works and Examiner Bldgs., Manchester. [959 and 3904.]
1912.	SAYER, ARTHUR EDWARD	Messrs. A. E. Sayer & Co., Sherlock St., Birmingham.
1902.	Sayers, Ricardo John Henry	Albion Iron Works, Miles Platting, Manchester.
1905. A.M. 1909. M.	SCHILLER, FREDERICK WILLIAM	Messrs. Siemens Brothers' Dynamo Works Ltd., Stafford.
1890. 1904. A.M.)	Schofield, George Andrew	Oakwood, Mildenhall, S.O., Suffolk.
1912. M.)	SCHOFIELD, SAMUEL DEAN	300 Barnsley Road, Sheffield.
1886.	SCHOLES, WILLIAM HENRY (SCHUBELER, JURGEN FRIED-	41 Gordon Rd., Ilford. Messrs. Sulzer Brothers, 30 Norfolk
1911.	RICH	Street, Strand, W.C.
1886.	SCHURR, ALBERT EBENEZER	Lyncot, Ferwick, Petersfield.
1913.	SCHWANHAUSSER, WILLIAM	Chief Eng., International Steam Pump Co., 115 Broadway, New York, U.S.
1902. G.)	Cooper Appen Press	(Coombe Lindum, Portland Road,
© 1906. A.M.\\ 1914. M.\	Scorer, Arthur Bruce	Bowdon, Altrincham.
1882. G.)	SCOTT, CHARLES HERBERT	Queen Street Chambers, Glouces-
1888. M.		ter. [Engineer, Gloucester. 794.] (Consett Iron Works, Consett,
1886.	SCOTT, JAMES	R.S.O., Co. Durham.
1913.	SCOTT, JAMES (Life Member)	Chief Eng., The Borneo Co., Bau, Sarawak, Borneo.
1914.	SCOTT, JAMES CROMBIE	2 Frederick St., Linwood, Christ- church, New Zealand.
1891.	SCOTT, Professor ROBERT	N.Z. University, Canterbury College, Christchurch, N.Z.
1906. A.M.)	C W 1	Caledonian Chbrs., 102 St. Mary
1909. M. J 1900. A.M.)		St., Cardiff. (Marylebone Electric Supply, 19 &
1907. M.	SEABROOK, ARTHUR HUGH	20 York Place, W.
1892.	SEAMAN, CHARLES JOSEPH	14 Fieldgate Street, E.
1910.	SEARLE, FRANK	Golden Green, Keresley, Coventry. (32 Victoria St., Westminster,
1882.	SEATON, ALBERT EDWARD	S.W. [Seaquake, London. Vic-
		(267 Dashwood House, New Broad
	SEGUNDO, EDWARD CARSTEN-	St., E.C. [Awesome, London.
1903. M.)	SEN DE	Central 2686.]
1908.	SEHMER, EDUARD GEORG	Messrs. Ehrhardt and Sehmer, Schleifmühle-Saarbrücken 1, Ger-
		many.
1914.	SELBY, GEORGE MAY	Works Manager, Messrs. Bullivant & Co., West Ferry Road,
aval,	SELBY, GEORGE MAY	Millwall, E.
1891.	SELBY, MILLIN	Toksowa House, Dulwich Common, S.E.
1910. A.M.)	Cwee Donman	Midland RlyCarriage and Wagon
1915. M.	SELL, ROBERT	Co., Washwood Heath, Birming- ham.
1903.	SEVERN, WILLIAM HENRY	Chatwood Safe Co., 56 Gracechurch
1914.	SEVERS, JOHN	St., E.C. Royal Arsenal, Woolwich.
	,	,

1903.	SHANKS, ARTHUR THORNTON	Glen Royd Villa, Pool, Leeds. (Messrs. Thomas Shanks & Co.,
1884.	SHANKS, WILLIAM	Johnstone, near Glasgow. [Shanks, Johnstone.]
1902.	SHARMAN, PHILIP ALAN	113 Cannon St., E.C.; and Fishpond Rd., Hitchin. [Graftonian;
1897.	SHARP, JOHN	[London.] 115 Shaftesbury Avenue, W.C.
1908.	SHARP, JOHN	28 Burnbank Gardens, Glasgow.
1905.	SHARP, RICHARD	Banklands, Workington. (Works Manager, Leeds Forge,
1905.	SHARP, ROBERT GORDON	Leeds.
1898.	SHARP, SIDNEY	13 Victoria Street, Westminster, S.W.
1907.	SHARPE, THOMAS WALTER	Messrs. Olive & Partington, Turn Lee Mills, Glossop.
1907. 1893. G	SHARPLES, EDWARD	Furness Rly., Barrow-in-Furness.
1897. A.M 1900. M	. SHARPLEY, GEORGE RUSTON	Messrs. Ruston, Proctor & Co., Sheaf Iron Works, Lincoln.
1905. A.M	,	(Asst. Chief Eng., Associated Equip-
1911. M		ment Co., Black Horse Lane, Walthamstow, N.E.
1907. A.M		(Electricity Supply and Tramways
1911. M	.) Shaw, Million Limiter	Offices, Ley St., Ilford. Genl. Manager, Mersey Railway,
1909.	SHAW, JOSHUA	Central Station, Birkenhead.
1900.	SHAW, PERCY CHARLES WILLIAM	c/o J. Timms, Railway Contractor, City Chambers, Pirie St., Adelaide, South Australia.
1899. A.M 1902. M	SHAWCROSS, GEORGE NUTTALL	Lancs. & Yorks. Rly., Horwich, Lancs.
1902.	CHARLES EDWIN	Knowles Oxygen Co., Bromborough
1911.	SHEARER, WILLIAM VALEN-	Port, Birkenhead. (School of Engineering, Giza,
TOLL:	\ TINE	Egypt. (38 Victoria Street, Westminster,
1902.	SHEFFIELD, GEORGE HARRISON	S.W.
1890.	SHELDON, HARRY CECIL	63 Long Row, Nottingham. [01844.]
1900.	SHELDON, WILLIAM JOHN	Resident Eng., São Paulo Rly., São Paulo, Brazil.
1899.	SHEPHERD, RICHARD LILLING-	Manager, State Smelting Works, Ravensthorpe, Western Australia.
1070		Messrs. Fawcett Preston & Co.,
1876.	SHIELD, HENRY	Phœnix Foundry, 17 York St., Liverpool.
1888.	SHIN, TSUNETA	(26 Minamicho Nichome, Aoyama,
1000		Akasaka-ku, Tokyo, Japan. (5 Gwendolen Avenue, Putney,
1889.	SHONE, ISAAC	(S.W.
1890.	SHOOSMITH, HARRY	9 Vanbrugh Park, Blackheath, S.E.
1910.	SHORT, WILLIAM LLEWELLYN EVERETT	Messrs. Babcock & Wilcox, Dumbarton.
1893.	SHROFF, ADURJEE BURJORJEE	Chief Eng., Sassoon Spinning Mills, Bombay.
1907.	SIBBALD, THOMAS KNIGHT	199 Albert Drive, Maxwell Park, Glasgow.

34 Castle St., Liverpool. [Technical,

Liverpool. 6080.]
[Devonshire House, Barrow Hill,

Chesterfield.

90 MEMBERS. Date of Election and of Transfer. Eng., Taff Vale Rly., Cardiff. 1899. SIBBERING, GEORGE THOMAS .. (Caxton House, Westminster, S.W. (SIEMENS, ALEXANDER (Life 1891. [Gerrard 860.]
40 Broadway, Westminster, S.W.
[Ayemess, London. Victoria Member) 1898. SILLAR, ARTHUR MOLYNEUX .. 4773.] 1903. A.M. 1913. M. Tavistock Hotel, Covent Garden, SIMCOCK, PHILIP W.C. Westminster Works, Earl St., West-1899. SIMMANCE, JOHN FREDERICK minster, S.W. 191 Wardour St., Oxford St., W. 1906. SIMMS, FREDERICK RICHARD [Simotunit, London. Regent 2760.] (Messrs. Henry Simon, 20 Mount 1910. SIMON, ERNEST DARWIN .. St., Manchester. (SIMONDS, WILLIAM TURNER (Fishtoft, St. Albans Avenue, 1877. (Life Member) Bournemouth. 1902. A.M.) SIMPKIN, FRANK HENRY .. 159 Firth Park Rd., Sheffield. 1906. (Eng., Chelsea Water Works, 38 1876. SIMPSON, ARTHUR TELFORD .. Parliament St., S.W. 101 Grosvenor Rd., Pimlico, S.W.; 1883. SIMPSON, CHARLES LIDDELL .. and 13 Montagu Place, Montagu 1892. M. Sq., W. Bengal-Nagpur Rly., Garden Reach, 1910. SIMPSON, JOHN ANDREW Calcutta, India. SIMPSON, JOHN REGINALD Supt. Eng., Natal Estates Ltd., 1916. HAZELL .. Mount Edgecombe, Natal. Boro' Electrical Eng. and Tram-1913. SIMPSON, JOSEPH FITZALAN ways Mgr., Holmrook Road, Preston. 1902. SIMPSON, WILLIAM ... Harbour Engineer, Sunderland. (Loco. Dept., G. N. Rly., Peter-1903. SINCLAIR, HERBERT borough. 1891. SINCLAIR, RUSSELL .. 82 Pitt St., Sydney, N.S.W. c/o Vice-Admiral Ahmed Pasha, 1899. A.M.) SIRRI, Major M. ret., Box 233, Galata P.O., Con-1905. M. / stantinople. Enderley, Alexandra Road, Glou-1910. SISSON, ARTHUR WHITE .. cester. Messrs. W. Sisson & Co., Ltd., 1881. SISSON, WILLIAM Gloucester. [Sisson, Gloucester.] H.M.S. "Agincourt," c/o Post-master General, E.C. SKELTON, Eng. Commander 1906. REGINALD WILLIAM, R.N... Hadfield's Steel Foundry Co., East 1904. SKINNER, ARTHUR .. Hecla Works, Tinsley, Sheffield. 50 Marktgasse, Berne, Switzer-1911. SKIPWORTH, GEORGE PHILIP .. land. 15 Richmond Road, Horton Road, 1902. SLATER, JAMES GEORGE .. Bradford. Chief Eng., Clayton Aniline Co., 1915. SLEIGH, EDWIN HENRY .. Clayton, Manchester. (Inspector General of Lighthouses, 1892. SLIGHT, GEORGE HENRY Casilla 812, Valparaiso, Chile.

SLOAN, ROBERT ALEXANDER ..

SMALES, THOMAS

1891.

1908.

	Election		
-			Globe Tube Works, Wednesbury.
1897.		SMALLMAN, HERBERT SPENCER	[Tubes, Wednesbury. 6504.]
1900.		SMART, ALEXANDER	5 London Wall Buildings, E.C. (Chief Mech. Eng., Royal Siamese
1898.		SMART, LESLIE SANDERSON	State Rlys., Southern Line,
			Bangkok, Siam.
1903. 1909.	A.M.)	SMART, LEWIS ANDERSON	[31 Budge Row, E.C. [Uncanny, London. London Wall 780.]
2000.	212.)		(Messrs. Blake, Barclay & Co.,
1901.		SMART, ROBERT HOWIE	Victoria Works, Greenock. [Filter, Greenock. 130.]
1000		Company Town	Divl. Loco. Supt., N. E. Rly.,
1899.		SMEDDLE, JOHN HENRY	York.
1889.		SMELT, JOHN DANN	Greylands, Castle Bar Park, Ealing, W. [Smelt, London.]
1899.		SMETHURST, WILLIAM	97 Bridge St., Manchester.
1904. 1912.	A.M. M.		The University, Hong Kong, China.
1314.	ш.,	FRED MIDDLETON)	(Castle Iron Works, Raglan St.,
1901.		SMITH, DANIEL	Wolverhampton. [Presses, Wol-
1907.	A.M.)		[verhampton. 210.]
1913.	A.M.)	SMITH, DEMPSTER	School of Technology, Manchester.
1902.	A.M.)	SMITH, EDWARD TURNER	Dist. Loco. Supt. (1st Grade), Nigerian Railway, Lagos, West
1912.	M.5	Dalli, Libitatio Louisia	Africa.
1909.		SMITH, FREDERICK HENRY	Fenwick Chambers, Liverpool. (Messrs. Simpson & Co., 101
1881.		SMITH, HENRY	Grosvenor Rd., Pimlico, S.W.
	A.M.)	SMITH, HENRY JOSEPH TRIVESS	Municipal Offices, Bombay, India.
1909.	M.5	,	(Basford Brass Works, Nottingham;
1898.		SMITH, ISAAC	and Hickling Lodge, near Key-
2000.		Data and the state of the state	worth, Notts. [Smiths, Notting-ham. 1537.]
1007	A TAT)		(Messrs. Babcock & Wilcox, Crane
1914.	M.	Smith, James	Dept., Oriel House, Farringdon
			(Salford Works, Richard St., Bir-
1893.		Sмітн, Jони	mingham. [Luminous, Birming-
4005			ham. 2540.] Messrs. Thomas Salt & Co., The
1898.		Sмітн, Јоны	Brewery, Burton-on-Trent.
1906.		Sмітн, Јони	Ormondville, Dundyvan Rd., Coatbridge.
			(Aramayo Francke Mines, Cho-
1908.		SMITH, JOHN FAIRFULL	caya, Bolivia. Via Buenos Aires
1891.		SMITH, JOHN RENEY	(and Tupiza. Kildare, Heswall, Birkenhead.
1898.		SMITH, JOHN WILLIAM	Loco. Dept., G. C. Rly., Gorton,
	A.M.)		Manchester. City Eng., Local Govt. Board,
1910.	M.)	SMITH, JONAH WALKER	George St., Edinburgh.
1903.	A.M.	SMITH, LOUIS WILLIAM	Managing Director, Clarke's Crank
1912.	M.)	Data and the state of the state	& Forge Co., Lincoln.
1870. 1876.	G.) M.	SMITH, MICHAEL HOLROYD	50 Ashley Road, Crouch Hill, N.
2010.	111.)		

Date	of	El	ection	
and	of '	Tra	nsfer.	

		(Messrs. Tilling, Stevens Ltd.,
1905. A.M.)	SMITH, PERCY HARRY FROST	Victoria Works, St. Peters St.,
1909. M.	Dalli, I Enci Hanni Phosi	Maidstone.
	SMITH, Professor ROBERT	(Trent, 3 Thirlmere Rd., Streatham,
1881.	TT	
1	HENRY	S.W. (Deceased Feb. 1916.)
	C - D	Works Manager, New Enfield Cycle
1897.	SMITH, ROBERT WALKER	Co., Hunt End Works, Redditch;
		and Stoneleigh, Redditch.
		Electrical Eng., G. W. Rly., 66
1896.	SMITH, ROGER THOMAS	Porchester Road, Paddington,
		W,
1897. A.M.)	~ ~	(P. O. Box 1905, Johannesburg,
1902. M.	SMITH, SIDNEY	Transvaal.
1907. A.M.)		(Main Drainage Dept., Public Works
	SMITH, THOMAS HAROLD	
1912. M.		Ministry, Cairo, Egypt.
4000	a	Dudbridge Iron Works, Stroud,
1898.	SMITH, TOM GRAVES	Glos. [Humpidge, Cainscross. 7.];
		and Aldreth, Stonehouse, Glos.
		Manager, Messrs. Pilkington Bros.,
1890.	SMITH, WILLIAM	British Plate Glass Works,
		Ravenhead, St. Helens, Lanes.
	SMITH, Eng. Commander WIL-	(The Nook, Infield Park, Barrow-
1913.	LIAM ALBERT PEARCE, R.N.	
	HIAM ALBERT I EARCE, IV.IV.	in-Furness.
1010	C W C	Manager, Rifle Factory, Ichapur,
1912.	SMITH, WILLIAM GREGORY	E.B.S. Rly., near Barrackpore,
		India.
1900.	SMITH, WILLIAM HILL	Norwood Green, Halifax.
1887.	SMITH, WILLIAM MARK	(Lugano, Latchmere Rd., Kingston-
1001.	SMITH, WILLIAM MARK	on-Thames.
1904. A.M.)	S S 35	(c/o W. N. Spence, 104 Clyde Road,
1906. M.	SMYTH, GERALD MILLNER	West Didsbury, Manchester.
1891. G.)		
1895. A.M.	SNELL, Sir JOHN FRANCIS	(8 Queen Anne's Gate, Westminster,
	CLEVERTON	§ S.W.
1898. M.)	Cycyrony Town Appears	Wash Wills Goods Olig Goods and a
1885.	Snowdon, John Armstrong	York Villa, South Cliff, Scarborough.
1897.	SNOXELL, GEORGE EDGAR	Glevum, Warley Road, Halifax.
1914.	SODEN, ERNEST EDWARD	JH.H. The Nizam's Mint, Hyder-
2011	Donath, market 130 Hatto	abad, Deccan, India.
1902. G.)	_	(Haywood Forge, Halesowen, Bir-
1910. A.M.	SOMERS, FRANK	
1010 3/		
1918. M.		mingham.
1913. M.) 1903. A.M.)	C T	
1903. A.M.	Sopwith, John	Avondale, Egliston Road, Putney,
1903. A.M.) 1911. M.)		Avondale, Egliston Road, Putney, S.W.
1903. A.M.	Sopwith, John	Avondale, Egliston Road, Putney, S.W. 16 Apollo Street, Fort, Bombay.
1903. A.M. 1911. M. 1887.	Sorabji, Shapurji	Avondale, Egliston Road, Putney, S.W. 16 Apollo Street, Fort, Bombay. Genl. Manager, Messrs. Fox
1903. A.M.) 1911. M.)		Avondale, Egliston Road, Putney, S.W. 16 Apollo Street, Fort, Bombay. Genl. Manager, Messrs. Fox Brothers & Co., Wellington,
1903. A.M. 1911. M. 1887.	Sorabji, Shapurji	Avondale, Egliston Road, Putney, S.W. 16 Apollo Street, Fort, Bombay. Genl. Manager, Messrs. Fox Brothers & Co., Wellington, Somerset.
1903. A.M. 1911. M. 1887. 1900. 1907. A.M.	SORABJI, SHAPURJI SPARKES, SAMUEL HURFORD	Avondale, Egliston Road, Putney, S.W. 16 Apollo Street, Fort, Bombay. Genl. Manager, Messrs. Fox Brothers & Co., Wellington, Somerset. 66-71 Moorgate Court, Moorgate
1903. A.M. 1911. M. 1887. 1900. 1907. A.M. 1911. M.	Sorabji, Shapurji	Avondale, Egliston Road, Putney, S.W. 16 Apollo Street, Fort, Bombay. Genl. Manager, Messrs. Fox Brothers & Co., Wellington, Somerset.
1903. A.M. 1911. M. 1887. 1900. 1907. A.M. 1911. M. 1902. G.	SORABJI, SHAPURJI SPARKES, SAMUEL HURFORD SPARKS, HUBERT CONBAD	Avondale, Egliston Road, Putney, S.W. 16 Apollo Street, Fort, Bombay. (Genl. Manager, Messrs. Fox Brothers & Co., Wellington, Somerset. [66-71 Moorgate Court, Moorgate St., E.C.
1903. A.M. 1911. M. 1887. 1900. 1907. A.M. 1911. M.	SORABJI, SHAPURJI SPARKES, SAMUEL HURFORD	Avondale, Egliston Road, Putney, S.W. 16 Apollo Street, Fort, Bombay. Genl. Manager, Messrs. Fox Brothers & Co., Wellington, Somerset. 66-71 Moorgate Court, Moorgate St., E.C. Messrs. Babcock & Wilcox, Oriel
1903. A.M. 1911. M. 1887. 1900. 1907. A.M. 1911. M. 1902. G.	SORABJI, SHAPURJI SPARKES, SAMUEL HURFORD SPARKS, HUBERT CONBAD	Avondale, Egliston Road, Putney, S.W. 16 Apollo Street, Fort, Bombay. (Genl. Manager, Messrs. Fox Brothers & Co., Wellington, Somerset. [66-71 Moorgate Court, Moorgate St., E.C.
1903. A.M. 1911. M. 1887. 1900. 1907. A.M. 1911. M. 1902. G. 1905. A.M. 1914. M.	SORABJI, SHAPURJI SPARKES, SAMUEL HURFORD SPARKS, HUBERT CONBAD SPEAKMAN, EDWARD MURRAY	Avondale, Egliston Road, Putney, S.W. 16 Apollo Street, Fort, Bombay. Genl. Manager, Messrs. Fox Brothers & Co., Wellington, Somerset. 66-71 Moorgate Court, Moorgate St., E.C. Messrs. Babcock & Wilcox, Oriel House, Farringdon St., E.C. (Manager. Cork St. Foundry and
1903. A.M. 1911. M. 1887. 1900. 1907. A.M. 1911. M. 1902. G. 1905. A.M.	SORABJI, SHAPURJI SPARKES, SAMUEL HURFORD SPARKS, HUBERT CONBAD	Avondale, Egliston Road, Putney, S.W. 16 Apollo Street, Fort, Bombay. Genl. Manager, Messrs. Fox Brothers & Co., Wellington, Somerset. 66-71 Moorgate Court, Moorgate St., E.C. Messrs. Babcock & Wilcox, Oriel House, Farringdon St., E.C. (Manager. Cork St. Foundry and
1903. A.M. 1911. M. 1887. 1900. 1907. A.M. 1911. M. 1902. G. 1905. A.M. 1914. M.	SORABJI, SHAPURJI SPARKES, SAMUEL HURFORD SPARKS, HUBERT CONBAD SPEAKMAN, EDWARD MURRAY SPENCE, ARTHUR WILLIAM	Avondale, Egliston Road, Putney, S.W. 16 Apollo Street, Fort, Bombay. Genl. Manager, Messrs. Fox Brothers & Co., Wellington, Somerset. 66-71 Moorgate Court, Moorgate St., E.C. Messrs. Babcock & Wilcox, Oriel House, Farringdon St., E.C. (Manager. Cork St. Foundry and
1903. A.M. 1911. M. 1887. 1900. 1907. A.M. 1911. M. 1902. G. 1905. A.M. 1914. M.	SORABJI, SHAPURJI SPARKES, SAMUEL HURFORD SPARKS, HUBERT CONBAD SPEAKMAN, EDWARD MURRAY	Avondale, Egliston Road, Putney, S.W. 16 Apollo Street, Fort, Bombay. (Genl. Manager, Messrs. Fox Brothers & Co., Wellington, Somerset. (66-71 Moorgate Court, Moorgate St., E.C. Messrs. Babcock & Wilcox, Oriel House, Farringdon St., E.C. Manager, Cork St. Foundry and Engineering Works, Dublin. The Summit, Maxwelltown, Dum-
1903. A.M. 1911. M. 1887. 1900. 1907. A.M. 1911. M. 1902. G. 1905. A.M. 1914. M. 1898.	SORABJI, SHAPURJI SPARKES, SAMUEL HURFORD SPARKS, HUBERT CONBAD SPEAKMAN, EDWARD MURRAY SPENCE, ARTHUR WILLIAM	Avondale, Egliston Road, Putney, S.W. 16 Apollo Street, Fort, Bombay. (Genl. Manager, Messrs. Fox Brothers & Co., Wellington, Somerset. 66-71 Moorgate Court, Moorgate St., E.C. (Messrs. Babcock & Wilcox, Oriel House, Farringdon St., E.C. (Manager, Cork St. Foundry and Engineering Works, Dublin. The Summit, Maxwelltown, Dumfries.
1903. A.M. 1911. M. 1887. 1900. 1907. A.M. 1911. M. 1902. G. 1905. A.M. 1914. M. 1898.	SORABJI, SHAPURJI SPARKES, SAMUEL HURFORD SPARKS, HUBERT CONBAD SPEAKMAN, EDWARD MURRAY SPENCE, ARTHUR WILLIAM SPENCE, WILFRID L	Avondale, Egliston Road, Putney, S.W. 16 Apollo Street, Fort, Bombay. Genl. Manager, Messrs. Fox Brothers & Co., Wellington, Somerset. 66-71 Moorgate Court, Moorgate St., E.C. Messrs. Babcock & Wilcox, Oriel House, Farringdon St., E.C. Manager, Cork St. Foundry and Engineering Works, Dublin. The Summit, Maxwelltown, Dumfries. 77 Cannon St., E.C. [George
1903. A.M. 1911. M. 1887. 1900. 1907. A.M. 1911. M. 1902. G. 1905. A.M. 1914. M. 1898.	SORABJI, SHAPURJI SPARKES, SAMUEL HURFORD SPARKS, HUBERT CONBAD SPEAKMAN, EDWARD MURRAY SPENCE, ARTHUR WILLIAM SPENCE, WILFRID L	Avondale, Egliston Road, Putney, S.W. 16 Apollo Street, Fort, Bombay. (Genl. Manager, Messrs. Fox Brothers & Co., Wellington, Somerset. 66-71 Moorgate Court, Moorgate St., E.C. (Messrs. Babcock & Wilcox, Oriel House, Farringdon St., E.C. (Manager, Cork St. Foundry and Engineering Works, Dublin. The Summit, Maxwelltown, Dumfries.

and of	transier,	
1878.	SPENCER, ALFRED G	577 Cannon St., E.C. [George
1892,	G TI D	Spencer, London.] 21 Charlton Road, Blackheath, S.E.
	A.M.) a W	(Braeside, Longton Avenue, Upper
1913.	M. SPENCER, HENRY WILMOT	Sydenham, S.E.
1897.	SPENCER, THOMAS HARRIS	Globe Tube Works, Wednesbury. [Tubes, Wednesbury. 6504.]
1891.	SPENCER, WILLIAM	Chamber Iron Works, Hollinwood, near Manchester.
1885.	SPOONER, GEORGE PERCIVAL	\{25 Knowllys House, Compton St., W.C.
1883. 1886.	G.) SPOONER, Professor HENRY M.) JOHN	Polytechnic School of Engineering, 309 Regent St., W.
1896.	SPRING, The Hon. Sir Francis Joseph Edward, K.C.I.E.	Harbour, Madras, India.
1901.	Sprott, Robert Edmund	Bridgewater Collieries and Elles- mere Estates, Walkden, Man- chester.
1901. 1912.	A.M. SPRUNT, HERBERT WILLIAM	Hollington, Woodbourne Avenue, Streatham, S.W.
1908.	Spurling, Oliver Cromwell	Western Electric Co., Hawthorne Station, Chicago, Ill., U.S. Managing Director, Lancashire
1904.	Spurrier, Henry	Managing Director, Lancashire Steam Motor Co., Leyland, Preston. [Motor, Leyland, 7.]
1897.	STAGG, WILLIAM	Avon St. Gas Works, Bristol.
1899,	STAMER, ARTHUR COWIE	Chief Asst. Mech. Eng., N.E.
1905.	STANFIELD, Professor RICHARD	Rly., Darlington. Heriot-Watt College, Edinburgh.
1901. 1908.	A.M.) STANIER, WILLIAM ARTHUR	Asst. Manager, Loco. Works, G.W. Rly., Swindon.
		Messrs. H. Pontifex & Sons, Far-
1888.	STANLEY, HARRY FRANK	ringdon Works, Shoe Lane, E.C.; and 3 Albert Mansions, Crouch Hill, N.
1914.	STARK, HENRY ROBERTSON	4 Bankshall Street, Calcutta.
1913.	Down Day	(H.M.S. "Highflyer," c/o Post-
1901.	PHILP, R.N STEAD, WILLIAM	master General, E.C. Oaklands, Fairfield, Manchester.
1897.	Steele, James	(Works Manager, Messrs. R. Y. Pickering & Co., Wishaw, Glasgow.
1901.	STEELE, WILLIAM RUSSELL	c/o T. F. Craddock, 7 East India Avenue, Leadenhall Street, E.C.
1901.	STENNING, HENRY ALEXANDER	28 Victoria Street, Westminster, S.W.
1899. 1904.	A.M. STEPHENS, CHARLES ROBERT	(Lieut., R.E. (T.)), 1/3 Cornwall A.T. R.E., A.P.O., S. 18, British
1912.	STEPHENSON, ARTHUR HENRY	Expeditionary Force. S. African Railways, Bethal, Transvaal.
1888.	STEPHENSON-PEACH, WILLIAM JOHN	Kirkleatham, Great Malvern.
1876.	STERNE, LOUIS	Crown Iron Works, Glasgow [Crown, Glasgow.]; and Doning-
1907	AM	ton House, Norfolk St., W.C. [Elsterne, London. Gerrard 1989.]
1907.	M. STEVEN, JAMES DUNLOP	Messrs. E. G. Wrigley & Co., Soho, Birmingham.

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		(Managing Director, Uskside Iron
*****	~	Works, Newport, Mon. [Uskside,
1898.	STEVENS, ARTHUR JAMES	Newport Mon PO 99 Nat
		Newport, Mon. P.O. 29; Nat.
		53.] (Former Member 1875–1886.)
1913.	STEVENSON, ARTHUR DAVID	British General Electric Co., 257
		Clarence St., Sydney, N.S.W.
1902.	STEVENSON, GRAHAM MORTON	6 Howells Crescent, Llandaff, Cardiff.
1898.	STEVENSON, HEW	Glanmor, Berkhamsted.
		(Chief Engineer, Messrs. Richard
1906.	STEVENSON, JAMES JOHN	
13004	STEVENSON, JAMES JOHN	Thomas & Co., S. Wales Works,
1000 135		Llanelly.
1902. A.M.	STEVENSON JOHN	Suptg. Eng., Mazawattee Tea Co.,
1911. M.	STEVENSON, JOHN	Knoyle St., New Cross, S.E.
	(STEWART, ALEXANDER ANDER-	360 Collins House, Collins Street,
1909.	SON	Melbourne, Victoria.
	(2021 11 11 11 11 11 11	(Retreat, Southbrae Drive, Jordan-
1903.	STEWART, GEORGE	
		hill, Glasgow.
		Scottish Co-op. Wholesale Soc.,
1905.	STEWART, JAMES	Shieldhall, Glasgow; and 38 Ken-
		mure St., Pollokshields, Glasgow.
		Billiter Bldgs., 49 Leadenhall St.,
1904.	STILL, WILLIAM	E.C.
1906.	STIRK, GREENWOOD	Messrs. John Stirk & Sons Ltd.,
		Ovenden Rd., Halifax.
1905.	STIRLING, DAVID EDWARD	Highfield, Kenley, Surrey.
1880.	STIRLING, JAMES	Doon, Ashford, Kent.
		(Loco, Eng., Hull & Barnsley Rly.,
1885.	STIRLING, MATTHEW	Springhead, Hull.
1898.	STIRLING, ROBERT	The Anchorage, Dormans Park,
	Desired and Desired 11	East Grinstead.
		(Supt. Eng., Engineering Branch,
1898.	STOBIE, GEORGE	Technical Institute, Mayor's
	,	Walk, Pietermaritzburg, Natal.
	(STOCKER, Eng. Commander	H.M. Submarine Depôt, Fort
1901.		
1000 135	PERCY, R.N	Blockhouse, Gosport.
1898. A.M.)	STOCKTON, CECIL	Branksome, Abbey Rd., Enfield.
1907. M.	Broomfort, Chorn	Didnisomo, 22000 Train 22220141
1892. G.)		(DO Dow 1988 Tohannachung
1905. A.M.	STOKES, FRANK TORRENS	P.O. Box 1355, Johannesburg,
1911. M.	Diolesis, a maria in the second	Transvaal.
2011.		(G. I. P. Railway, Victoria Termi-
1915.	STOKES, ISAAC WESTLEY	
	,	nus, Bombay, India.
1910.	STOKVIS, HUGO	Messrs. R. S. Stokvis & Zonen Ltd.,
	STORVIS, HUGO	Westzeedyk, Rotterdam, Holland.
1894. A.M.)	G G	(Devonshire Chambers, 146 Bishops-
1897. M.	STONE, SIDNEY	gate, E.C.
1907. A.M.)		31 Parchmore Road, Thornton
1912. M.	STONE, SIDNEY CHARLES EVE	Heath, Surrey.
1012.	(0	
1914.	STONEY, GEORGE GERALD,	Oakley, Heaton Road North, New-
	(F.R.S	castle-on-Tyne.
		Messrs. C. W. Burton Griffiths &
1908.	STOREY, JOHN EDWARD	Co., 1-3 Ludgate Square, Lud-
	,	gate Hill, E.C.
		Granville House, Arundel Street,
1915.	STOREY, WILLIAM EDWARD	Strand, W.C.
1004 A 35)		
1904. A.M.)	STORIE, GEORGE BRIGHT	62 Vineyard Hill, Wimbledon Park,
1908. M.		S.W.
1901.	STORMONT, PETER CAMPBELL	125 Hamilton Place, Aberdeen.

1906.	STOWE, GEORGE SULLY	P.O. Box 5465, Johannesburg, Transvaal.
		Messrs. Sidney Straker & Squire,
1888.	STRAKER, SIDNEY	Nelson Square, Blackfriars, S.E. [Rhomboidal, London, Hop 369 and 370.]
1901 A M	STRATHERN, ALEXANDER	(Weldless Chains Ltd., Gartsherrie,
1907. M.		Coatbridge.
		(Messrs. W. T. Glover & Co., Traf-
1904.	STRATTON, JOHN	ford Park, Manchester.
1899. G.)		(11 Windsor Place, Cardiff. [Thor,
1902. A.M.	STRETTON, THEODORE	Cardiff. 2978.]
1908. M.)	~	
1897.	STRICKLAND, FREDERIC	Derwent Mount, Malton.
1895.	STROMEYER, JOHANN PHILIPP	M.S.U. Assocn., 9 Mount St., Man-
	EDMOND CHARLES	West Ridge, Rawal Pindi, Punjab,
1910.	STRONG, ERNEST SIDNEY	India.
1010		Prudential Bldgs., King Edward
1913.	STRONG, GEORGE HENRY	St., Hull.
1913. A.M.	Contract Times	(Prudential Buildings, King Edward
1916. M.		Street, Hull.
1899.	STUBBS, JOSEPH HETHERING-	Mill Street Works, Ancoats, Man-
	TON	chester. [Winding, Manchester.]
1882.	SUGDEN, THOMAS	180 Fleet St., E.C. [Holborn 186.]
1909.	SULLIVAN, CLEMENT ERNEST	Supt., Metrop. Asylums Board River Service, South Wharf, Rother-
2000.	Schillyan, Chement Ednest	hithe, S.E.
1000	~ -	Messrs. Sulzer Brothers, Winter-
1890.	SULZER, JACOB	thur, Switzerland.
1906.	SUNNER, JOHN HARLEY	c/o A. H. Sunner, Kemp St., Cork.
1899.	SURTEES, HENRY WARDALE	12 Arboretum Square, Derby.
1908.	SURTEES, RICHARD THOMAS	Water Eng., Water Works, Haw-
		thorn Bank, Newton-le-Willows.
1905. A.M.)	SUTCLIFFE, INGHAM	Assist. Loco. Carr. & Wagon Supt., Kowloon-Canton Rly., Hong
1913. M.	Soldliffm, INGHAM	Kong, China.
		Messrs. Midgley & Sutcliffe, West
1913.	SUTCLIFFE, WALKER	End Tool Works, Richmond Rd.,
		Bradford.
1905. A.M.)	C	(872 Rua Barão de Mesquita,
1909. M.	SUTTON, MARK	Andarahy Grande, Rio de
1910, A.M.)		Janeiro, Brazil. (Chief Electrical Engr.'s Office,
1914. M.	Swainson, Laurance Webster	L. & N.W. Rly., Crewe.
1907.	SWAN, ANDREW DON	10 Phillip's Place, Montreal, Canada.
1906.	SWANSON, JOHN HUNTER	Manager, Samsen Dock and En-
2000.	SWANSON, JOHN HUNTER	gineering Co., Bangkok, Siam.
1898.	SWASEY, AMBROSE	Messrs. Warner & Swasey, Cleveland, Ohio, U.S.
		(Inter-State Commission, 314 Albert
1897.	SWINBURNE, The Hon. GEORGE	St., East Melbourne, Victoria.
1898.	Commence Table	82 Victoria St., Westminster, S.W.
1090.	SWINBURNE, JAMES, F.R.S	[Westminster 292.]
1910.	(SWINTON, ALAN ARCHIBALD	66 Victoria St., Westminster, S.W.
	CAMPBELL, F.R.S	\ [Victoria 1506.] \(Messrs. George Fletcher & Co. \)
1915.	SYKES, FRANK HENRY	Ltd., Masson Works, Derby.
		,,,
	_	

1905.	Sykes, Joseph Charles	W. R. Sykes Interlocking Signal Co., Voltaire Rd., Clapham, S.W.
1905. A.M. 1908. M.	Symons, Diogo Andrew	39 Victoria St., Westminster, S.W.

1900.	TAGGART, WILLIAM SCOTT	22 Bridge St., Manchester. [Central 3815.]
4000		Sanctuary House, 33 Tothill St.,
1878.	TAITE, JOHN CHARLES	Westminster, S.W. [Victoria 6925.]
1893. A.M.)	m >7	Kanegafuchi Cotton Spinning Co.,
1908. M.		Hiogo, Japan.
1895. A.M.)	m m	Genl. Manager, Osaka Cotton Mill,
1907. M.	TAKIMURA, TAKEO	Osaka, Japan.
,	-	County Bank Chbrs., Middles-
1901.	TALBOT, BENJAMIN	brough.
1010	(TALBOT, ERNEST EDWARD	(District Loco. Supt., Midland Rly.,
1910.	AUSTIN	Kentish Town, N.W.
40-11	(2105214	(Cornwall Works, Soho, Birming-
1875.	TANGYE, GEORGE	
1889. G.)	TANGYE, Sir HAROLD LINCOLN,	ham. [Tangyes, Birmingham.] (Cornwall Works, Soho, Birming-
1894. M.		
		ham.
	TANGYE, JOHN HENRY	Cornwall Works, Soho, Birming-
1901. M.		ham.
1895.	TANNETT, JOHN CROYSDALE	Messrs. Fullerton, Hodgart & Bar-
1005 135		clay, Vulcan Works, Paisley.
1905. A.M.)	TASKER, EDWARD ERNEST	Oakbank, Hutton, Brentwood.
1911. M.		
1915.	TAYLER, REGINALD MOSELEY	Bramley-Moore Cold Stores,
4074 (1)	· ·	Liverpool.
1874. G.)	TAYLOR, ARTHUR	71 Edith Rd., West Kensington,
1883. M.		W.
1898. G.)	m	
1900. A.M.	TAYLOR, CHARLES PERCY	Milton Lodge, Gravesend.
1907. M.		
1898. A.M.	TAYLOR EDWARD	Windsor Steam Laundry Windsor
1898. A.M.) 1902. M.)	TAYLOR, EDWARD	Windsor Steam Laundry, Windsor.
1898. A.M.) 1902. M.) 1900.	TAYLOR, EDWARD BROUGH	Caxton House, Westminster, S.W.
1898. A.M.(1902. M.) 1900. 1884. G.)	TAYLOR, EDWARD BROUGH	Caxton House, Westminster, S.W. 8 Alma Rd., Heaton Moor, Stock-
1898. A.M.) 1902. M.) 1900.	TAYLOR, EDWARD BROUGH	Caxton House, Westminster, S.W. 8 Alma Rd., Heaton Moor, Stock- port.
1898. A.M.(1902. M.) 1900. 1884. G.) 1899. M.)	TAYLOR, EDWARD BROUGH	Caxton House, Westminster, S.W. (8 Alma Rd., Heaton Moor, Stock- port. Derwent Foundry, 60 and 62
1898. A.M.(1902. M.) 1900. 1884. G.)	TAYLOR, EDWARD BROUGH	Caxton House, Westminster, S.W. 8 Alma Rd., Heaton Moor, Stock- port.
1898. A.M.(1902. M.) 1900. 1884. G.) 1899. M.)	TAYLOR, EDWARD BROUGH TAYLOR, JOSEPH	Caxton House, Westminster, S.W. (8 Alma Rd., Heaton Moor, Stockport. Derwent Foundry, 60 and 62 Constitution Hill, Birmingham. [Derwent, Birmingham.]
1898. A.M.(1902. M.) 1900. 1884. G.) 1899. M.)	TAYLOR, EDWARD BROUGH TAYLOR, JOSEPH	Caxton House, Westminster, S.W. (8 Alma Rd., Heaton Moor, Stockport. Derwent Foundry, 60 and 62 Constitution Hill, Birmingham. [Derwent, Birmingham.]
1898. A.M.(1902. M.) 1900. 1884. G.) 1899. M.)	TAYLOR, EDWARD BROUGH TAYLOR, JOSEPH	Caxton House, Westminster, S.W. (8 Alma Rd., Heaton Moor, Stockport. Derwent Foundry, 60 and 62 Constitution Hill, Birmingham.
1898. A.M., 1902. M., 1900. 1884. G., 1899. M., 1875.	TAYLOR, EDWARD BROUGH TAYLOR, JOSEPH TAYLOR, JOSEPH SAMUEL TAYLOR, NEIL	Caxton House, Westminster, S.W. 8 Alma Rd., Heaton Moor, Stockport. Derwent Foundry, 60 and 62 Constitution Hill, Birmingham. [Derwent, Birmingham.] Managing Director, Messrs. H. R.
1898. A.M.(1902. M.) 1900. 1884. G.) 1899. M.)	TAYLOR, EDWARD BROUGH TAYLOR, JOSEPH	Caxton House, Westminster, S.W. 8 Alma Rd., Heaton Moor, Stockport. Derwent Foundry, 60 and 62 Constitution Hill, Birmingham. [Derwent, Birmingham.] Managing Director, Messrs. H. R. Marsden, Soho Foundry, Leeds.
1898. A.M. 1902. M. 1900. 1884. G. 1899. M. 1875. 1913. 1907.	TAYLOR, EDWARD BROUGH TAYLOR, JOSEPH TAYLOR, NEIL TAYLOR, NEIL TAYLOR, NEWMAN	Caxton House, Westminster, S.W. (8 Alma Rd., Heaton Moor, Stockport. Derwent Foundry, 60 and 62 Constitution Hill, Birmingham. [Derwent, Birmingham.] (Managing Director, Messrs. H. R. Marsden, Soho Foundry, Leeds. Messrs. Macbeth Brothers & Co., Bombay.
1898. A.M., 1902. M., 1900. 1884. G., 1899. M., 1875.	TAYLOR, EDWARD BROUGH TAYLOR, JOSEPH TAYLOR, JOSEPH SAMUEL TAYLOR, NEIL TAYLOR, NEWMAN	Caxton House, Westminster, S.W. 8 Alma Rd., Heaton Moor, Stockport. Derwent Foundry, 60 and 62 Constitution Hill, Birmingham. [Derwent, Birmingham.] Managing Director, Messrs. H. R. Marsden, Soho Foundry, Leeds. Messrs. Macbeth Brothers & Co., Bombay. Works Manager, Messrs. Asa
1898. A.M. 1902. M. 1900. 1884. G. 1899. M. 1875. 1913. 1907.	TAYLOR, EDWARD BROUGH TAYLOR, JOSEPH TAYLOR, NEIL TAYLOR, NEIL TAYLOR, NEWMAN	Caxton House, Westminster, S.W. (8 Alma Rd., Heaton Moor, Stockport. Derwent Foundry, 60 and 62 Constitution Hill, Birmingham. [Derwent, Birmingham.] (Managing Director, Messrs. H. R. Marsden, Soho Foundry, Leeds. Messrs. Macbeth Brothers & Co., Bombay.
1898. A.M., 1902. M., 1900. 1884. G., 1899. M., 1875. 1913. 1907.	TAYLOR, EDWARD BROUGH TAYLOR, JOSEPH	Caxton House, Westminster, S.W. 8 Alma Rd., Heaton Moor, Stockport. Derwent Foundry, 60 and 62 Constitution Hill, Birmingham. [Derwent, Birmingham.] Managing Director, Messrs. H. R. Marsden, Soho Foundry, Leeds. Messrs. Macbeth Brothers & Co., Bombay. Works Manager, Messrs. Asa Lees & Co., Soho Iron Works, Oldham.
1898. A.M. 1902. M. 1900. 1900. 1884. G. 1899. M. 1875. 1913. 1907.	TAYLOR, EDWARD BROUGH TAYLOR, JOSEPH TAYLOR, JOSEPH SAMUEL TAYLOR, NEIL TAYLOR, NEWMAN	Caxton House, Westminster, S.W. 8 Alma Rd., Heaton Moor, Stockport. Derwent Foundry, 60 and 62 Constitution Hill, Birmingham. [Derwent, Birmingham.] Managing Director, Messrs. H. R. Marsden, Soho Foundry, Leeds. Messrs. Macbeth Brothers & Co., Bombay. Works Manager, Messrs. Asa Lees & Co., Soho Iron Works,

Date	of	Election
and	of '	Transfer.

CALLO OF TIGHTS		
1894. A.M	.)	Stoughton St. Works, Leicester.
1901. M		[Lenses, Leicester. 134.]
1902. A.M		Navestock Side, Oxford Rd., Bootle,
	TAYLOR, WILLIAM	Liverpool.
1912. A.M		(Capt.,1/23 Bn.King's L'pool Regt.),
1915. M	TAILOR, WILLIAM INCMAS	Clifton Arms Hotel, Lytham.
1909.	TEAROE, JAMES	Queensland Government, 409
1000,	LEARUE, JAMES	Strand, W.C.
1895.	TEBBUTT, SIDNEY	Freemantle Chbrs., Southampton.
	(TEED, Eng. Captain HENRY)	Dat Table 1 1 1 1 1 1 1 1 1
1912.	RICHARD, R.N	D. N. E. Dept., Admiralty, S.W.
	(IUICHARD, IU.IV)	(Ferreira Deep, Ltd., Box 1021,
1904.	TEMPLER, HENRY LETHBRIDGE	
	,	Johannesburg, Transvaal.
1899. A.M)	111 & 112 Hatton Garden, E.C.
1906. M	TENNANT, WILLIAM JOHN	{ [Care Boult, London. Holborn
1000.	••)	2966.]
1882.	TERRY, STEPHEN HARDING	Upcott, Seaton, Devon.
1899. A.M	1)	(P.O. Box 149, Johannesburg,
	TESTER, WILLIAM ANDREWS	Transvaal.
1010, 10	••)	(Bottoma Iron Works Hallingson
1891.	TETLOW, ERNEST	Bottoms Iron Works, Hollinwood,
		Manchester.
1899.	THACKERAY, THOMAS	Messrs. Vickers Ltd., Barrow-in-
1000.	THACKERAY, THOMAS	Furness.
1011	M D A	Deputy Loco. Works Manager,
1911.	THOM, ROBERT ABSALOM	G.C. Rly., Gorton, Manchester.
1901. A.M	.)	Church St. Chbrs., Pontypridd.
1010 34	THOMAS, ARTHUR LLOYD	
1910. M	THOMAS, ARTHUR LLOYD	[P. O. 73.]
1904.	THOMAS, FRED WHITTAKER	Chief Eng., Messrs. John Crossley &
7001	THOMAS, I MED II HILLIAMS	Sons, Halifax,
		(To a many the state of the st
1907. A.M	I.) Myores Hygy Bray	
	THOMAS, HUGH BLAKE	Les Falaises, Bougie, Algeria.
1913. M	I.) THOMAS, HUGH BLAKE	Les Falaises, Bougie, Algeria.
1913. M	L.) THOMAS, HUGH BLAKE	Les Falaises, Bougie, Algeria. (Pierce-Arrow Motor Car Co., 1695
1913. M	I.) THOMAS, HUGH BLAKE	Les Falaises, Bougie, Algeria. (Pierce-Arrow Motor Car Co., 1695 Elmwood Ave., Buffalo, N.Y.,
1913. M 1910. A.M 1913. M	Thomas, Hugh Kere	Les Falaises, Bougie, Algeria. (Pierce-Arrow Motor Car Co., 1695 Elmwood Ave., Buffalo, N.Y., U.S.
1913. M 1910. A.M 1913. M 1900. A.M	THOMAS, HUGH BLARE THOMAS, HUGH KERR THOMAS, JOHN FREDERICK	Les Falaises, Bougie, Algeria. (Pierce-Arrow Motor Car Co., 1695 Elmwood Ave., Buffalo, N.Y., U.S.) Messrs. Vickers Ltd., River Don
1913. M 1910. A.M 1913. M 1900. A.M	Thomas, Hugh Kere	Les Falaises, Bougie, Algeria. Pierce-Arrow Motor Car Co., 1695 Elmwood Ave., Buffalo, N.Y., U.S. Messrs. Vickers Ltd., River Don Works, Sheffield.
1913. M 1910. A.M 1913. M 1900. A.M 1904. M	THOMAS, HUGH BLARE THOMAS, HUGH KERR THOMAS, JOHN FREDERICK IVOR	Les Falaises, Bougie, Algeria. (Pierce-Arrow Motor Car Co., 1695 Elmwood Ave., Buffalo, N.Y., U.S. (Messrs. Vickers Ltd., River Don Works, Sheffield.) Hanover Terrace, Ladbroke Sq.,
1913. M 1910. A.M 1913. M 1900. A.M	THOMAS, HUGH BLARE THOMAS, HUGH KERR THOMAS, JOHN FREDERICK	Les Falaises, Bougie, Algeria. { Pierce-Arrow Motor Car Co., 1695 Elmwood Ave., Buffalo, N.Y., U.S. { Messrs. Vickers Ltd., River Don Works, Sheffield. 2 Hanover Terrace, Ladbroke Sq., Notting Hill, W.
1913. M 1910. A.M 1913. M 1900. A.M 1904. M	THOMAS, HUGH BLARE THOMAS, HUGH KERR THOMAS, JOHN FREDERICK IVOR	Les Falaises, Bougie, Algeria. { Pierce-Arrow Motor Car Co., 1695 Elmwood Ave., Buffalo, N.Y., U.S. { Messrs. Vickers Ltd., River Don Works, Sheffield. 2 Hanover Terrace, Ladbroke Sq., Notting Hill, W.
1913. M 1910. A.M 1913. M 1900. A.M 1904. M 1867.	THOMAS, HUGH BLARE THOMAS, HUGH KERR THOMAS, JOHN FREDERICK IYOR THOMAS, JOSEPH LEE	Les Falaises, Bougie, Algeria. {Pierce-Arrow Motor Car Co., 1695
1913. M 1910. A.M 1913. M 1900. A.M 1904. M	THOMAS, HUGH BLARE THOMAS, HUGH KERR THOMAS, JOHN FREDERICK IVOR	Les Falaises, Bougie, Algeria. Pierce-Arrow Motor Car Co., 1695 Elmwood Ave., Buffalo, N.Y., U.S. Messrs. Vickers Ltd., River Don Works, Sheffield. 2 Hanover Terrace, Ladbroke Sq., Notting Hill, W. G.W. Rly. Works, Swindon; and Highmead, 149 Cromwell Rd.,
1913. M 1910. A.M 1913. M 1900. A.M 1904. M 1867.	THOMAS, HUGH BLARE THOMAS, HUGH KERE THOMAS, JOHN FREDERICK IVOR THOMAS, JOSEPH LEE THOMAS, LEWIS RICHARD	Les Falaises, Bougie, Algeria. (Pierce-Arrow Motor Car Co., 1695 Elmwood Ave., Buffalo, N.Y., U.S. (Messrs. Vickers Ltd., River Don Works, Sheffield. (2 Hanover Terrace, Ladbroke Sq., Notting Hill, W. (G.W. Rly. Works, Swindon; and Highmead, 149 Cromwell Rd., Bristol.
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1868.	Thomson, John	3 Crown Ter., Dowanhill, Glasgow.
1893.	THORNBERY, WILLIAM HENRY	[32 Paradise St., Birmingham. [Thornbery, Birmingham. 1989.] [Former Member, 1880–1887.]
1915.	THORNELY, GEORGE HARRY	Suptg. Engr., Agra Cotton Mills, Agra, U.P., India.
1885.	THORNLEY, GEORGE	120 Scalpcliffe Road, Burton-on- Trent.
1908.	THORNTON, CHARLES JAMES	37 Bellavista, Rio Tinto, Huelva, Spain.
1877.	THORNTON, FREDERIC WILLIAM	Oak View, Cadmore Cross, Chesham, Bucks.
1914.	THORNTON, HORACE MOORE	Managing Director, Richmond Gas Stove and Meter Co., 132 Queen Victoria Street, E.C.
1876.	THORNYCROFT, Sir John Isaac, LL.D., F.R.S	Messrs. John I. Thornycroft & Co., Church Wharf, Chiswick, W. [Thornycroft, London. Hamner- smith 6.]; and Eyot Villa, Chiswick Mall, Chiswick, W.
1898. A.M.) 1902. M.)	TICEHURST, HUGH GORHAM	Thames Ammunition Works, Erith, S.O., Kent; and Telham, Freta Rd., Bexley Heath, Kent.
1916.	TILLEY, FREDERICK CHARLES	Messrs. Tilley Brothers, 53 Kings- land Road, N.E.
1885.	TIMMERMANS, FRANÇOIS	Managing Director, Société anon- yme des Ateliers de la Meuse, Liége, Belgium. [Société Meuse, Liége.]
1890.	TITLEY, ARTHUR	Beechwood, Hartopp Rd., Four Oaks, Sutton Coldfield, Bir- mingham.
1913.	Tod, Peter	Managing Director, Messrs. E. H. Williamson & Co., Clarence Works, Lightbody St., Liverpool.
1914.	Tod, Robert Paterson	Manager, British Aluminium Co., Kinlochleven, Argyll.
1893. A.M.) 1911. M.)	Tomes, William Jameson	Deputy Loco. Supt., E. I. Rly., Jamalpur, India.
1908. A.M.) 1910. M.	TOMKINS, JOHN ALFRED, R.N.R	Canadian Collieries (Dunsmuir), Comox Mines, Union Bay, B.C.
1875.	Tomkins, William Steele	Broughton House, near Stock- bridge, Hants.
1908.	TOMPKINS, Eng. Captain ALBERT EDWARD, R.N., ret.	57 Warwick Road, Ealing, W.
1 912.	TOOKEY, WILLIAM ALFRED	212 Upper Thames Street, E.C.
1900. A.M.) 1905. M.)	Tottle, Edward George	Battersea Polytechnic, S.W.
1894.	Touche, John Edward	(c/o A. C. Whitmee, 62 London Wall, E.C.
1889.	Towler, Alfred	Leeds Eng. and Hydraulic Co., Oaklands Engineering Works, Rodley, Leeds.
1914.	TOWNEND, SIDNEY	Lloyd's Register of Shipping, Mid-
1912.	TOWNHILL, WILLIAM	land Bank Chbrs., Newport, Mon. 120 Alfred Gelder Street, Hull.
1896. A.M.)	Mn. Huone Arman	Lea House, Gravelly Hill, Bir-
1906. M.	TRAFFORD, ALFRED	mingham.

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		(Marine Supt., Knott's Prince Line
1890.	TRAIL, JOHN	of Steamers, Newcastle-on-Tyne;
	,	and 21 Grosvenor Place, New- castle-on-Tyne.
1901.	TRAVERS, ERNEST JAMES	
TOOL	THAT HIES, THE TOTAL OF THE STATE OF THE STA	(Suptg. Eng. and Constructor of
1888.	TRAVIS, HENRY, I.S.O	Shipping to the War Dept.,
		Royal Dockyard, Woolwich.
1883.	TRENTHAM, WILLIAM HENRY	Caxton House, Westminster, S.W.
1000	W	Manager, Yokohama Engine and Ironworks Co., Yokohama.
1909.	TRESIZE, WALTER KENDALL	Ironworks Co., Yokohama, Japan.
	(TREVITHICK, FREDERICK	(Buccleuch House, Richmond,
1913.	HARVEY	Surrey.
1887.	TRIER, FRANK	Caxton House, Westminster, S.W.
1001	IRIER, PRANK	[Viscosity, London. Victoria 900.]
1015	71	[Viscosity, London. Victoria 900.] Managing Director, Uskside Engineering Co. Ltd., Uskside Iron
1915.	TRIMMER, WILLIAM	Works, Newport, Mon.
1007	A.M.) TRIPE GEORGE WALTER	(Royal Carriage Dept., Royal
1914.		Arsenal, Woolwich.
	,	(Board of Trade, 8 Richmond Ter-
1896.	TROTTER, ALEXANDER PELHAM	race, Whitehall, S.W.
1906.	TROWELL, WILLIAM JOHN	Surveyor General of Ships, Singa-
20001	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	pore, Straits Settlements.
1901.	A.M. TRUE, ROBERT ARTHUE	Works Manager, Messrs. Barford & Perkins, Queen St. Iron Works,
1914.	M. J IROB, WOBERT ARTHOR	Peterborough.
1899.	A.M.) TRUNCHION, WILLIAM THOMAS	Messrs. Grafton & Co., Vulcan
1907.		Works, Bedford.
1907.	TSURUMI, Professor Shoshiro	Osaka Higher Technical School,
20011		Osaka, Japan.
1914.	TUCKWELL, HENRY MAURICE SUBTEES	Messrs. Tata, Capel House, New Broad Street, E.C.
4040		(Lambton Collieries, Bunker Hill,
1910.	TULIP, SAMUEL	Fence Houses.
1901.	TULLIS, DAVID KIEL	Kilbowie Iron Works, near Glas-
1001.	TULLIS, DAVID KIEL	gow. [Tullis, Clydebank.]
1909.	TURLEY, THOMAS	Earl of Dudley's Castle Mill Engi-
		\ neering Works, Tipton. \((\)(St. Mungo Works, Bishopbriggs,
1887.	TURNBULL, ALEXANDER	Glasgow. [Valve, Glasgow.
		Bishopbriggs 49 and 50.]
		(Whitehouse Machine Works, Den-
1894.	TURNER, ALBERT	ton, Manchester. [Machines,
		[Denton. 205.] (Works Manager, Messrs. George
1897.	TURNER, ALFRED	Jones, Lionel St., Birmingham.
1010	m	Mechanical Engineering Dept.,
1912.	TURNER, FRANK	Royal Arsenal, Woolwich.
	A.M.) TURNER, FREDERICK WILLIAM	St. Peter's Iron Works, Ipswich.
1915.	M. S TORNER, PREDERICA WILLIAM	[Gippeswyk, Ipswich.]
1976	Turney Gir Town	Trent Bridge Leather Works, Nottingham. [Turney, Notting-
1876.	Turney, Sir John	ham.]
1902.	A.M.) TOTAL WAS THE ASSESSED	(Works Manager, Messrs. Panhard
1907.	M. J TORPIN, WILL IAM ALERED	and Levassor, Acton Vale, W.
1899.	TURTON, WILLIAM HENRY	220 Burrage Rd., Plumstead.

ks Manager, Messrs. Thomas binson & Son, Railway Works, ochdale.
v. Negapatam, S. India.
D. F. Wienand, P.O. Box 1352,
Bedford Hill, Balham, S.W. attersea 1221.]
ers. Henry Rogers, Sons & Co., olverhampton,
legent Terrace, Gateshead.
dland and South Western nction Rly., Cirencester.

1914. 1903.	Udal, John Pountney Ullmann, William Charles	Messrs. Kynoch, Witton, Birmingham. Eng., Electric Lighting and Tramways Dept., Nelson St., East Ham, E.; and 20 Forest Drive, Manor Park, E.
1896. A.M.) 1900. M.)	Umney, Herbert Williams	1 Mowbray Rd., Norwood, S.E.
	UNDERHILL, REGINALD STAN-	Naini Tal, United Provinces, India
1899.	Unsworth, Herbert George	The Cliff, Railway Avenue, Colombo, Ceylon.
1909.	UNWIN, Professor WILLIAM CAWTHORNE, LL.D., F.R.S. (President)	Palace Gate Mansions, 29 Palace Gate, Kensington, W. [Former Member, 1878–1895.]
1898.	URIE, ROBERT WALLACE	Loco. Eng., L. & S.W. Rly., Eastleigh, Hants.
1901. A.M. 1906. M. 1908.	URMSTON, PETER	(Danalana Manufacture Manager
		(minguam.

1904.	VAUGHAN, HENRY HOGUE	Supt. of Motive Power, C.P. Rly., Montreal, Canada.
1901.	Vaughan, John Alfred	Chief Insptr. of Machinery, P.O. Box 1132, Johannesburg, Transvaal.
1885.	Vaughan, William Henry	(Vaughan Crane Co. Onenshaw

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1897.	VAUX, WALTER	(Farleigh, 18 Trinity Rd., Bootle,
1902.		Liverpool. Messrs. Alfred Herbert, Coventry.
1889.	VERNON, PERCY VENABLES G.) VESIAN, JOHN STUART ELLIS	(c/o L. G. Mouchel, 38 Victoria St.,
1890.	M.) DE	Westminster, S.W.
		U.P. Agricultural Engr., Nawab-
1910.	Vick, Frank Howard	ganj, Cawnpore, U.P., India. (Messrs. Vickers Ltd., Vickers'
1865.	VICKERS, ALBERT	House, Broadway, Westminster,
		(S.W.
1899.	WADDINGTON, RICHARD	15 Caxton House, Westminster, S.W.
		55 Lightburne Avenue, St. Anne's-
1906.	WADE, WILLIAM REGINALD	on-the-Sea, Lancs.
1912.	A.M. WADIA, ARDESHIR DOSÂBHAI	Messrs. Ardeshir D. Wadia & Co.,
1915.	M.)	Ahmedabad, India.
1901.	(WADIA, NUSSERWANJEE	Messrs. Nowrosjee Wadia & Sons, Bombay; and Bella Vista, Cum-
1901.	Nowrosjee	balla Hill, Bombay.
1005	W D	(Messrs. George Wailes & Co., 258
1907.	WAILES, REGINALD PERCY	Euston Rd., N.W.
1902.	∫WAINFORD, RICHARD HAN-	1462 Rutherford Avenue, Trenton,
2002.	(BURY	N.J., United States.
1916.	WAINWRIGHT, GEORGE PERCY	Messrs. George Turton, Platts and Co., 108a Cannon Street, E.C.
1898.	WAINWRIGHT, JOHN WILLIAM	Supt., Canal Foundry, Roorkee, U.P., India.
1882.	WAKEFIELD, WILLIAM	123 Rathgar Rd., Dublin.
	A.M.) WALDRON, FREDERIC BARNES	§122 Oxford Street, St. Helens,
1915.	MI.)	Lanes.
1901.	A.M. Walford, Frederick	Principal, Bihar School of Engineering and Inspector of Tech-
1912.	M. S WALLEOND, PREDERIOR	nical Schools, Bankipur, India.
1898.	(WALKE, CHARLES NICHOLAS	Messrs. Tothill Sharp & Co., Tama-
1030.	{ Eves	ind Lane, Fort, Bombay.
1902.	Walker, Edwin Robert	Pagefield Iron Works, Wigan.
	,	[Pagefield, Wigan. 14.]
1911.	WALKER, FRED LIGHTFOOT	Lysaght's Galvanized Iron Pro- prietary, Fremantle, Western
TOTT	Walland, Lumb Little Co.	Australia.
		Managing Director and Secy., St.
		James' and Pall Mall Electric
1898.	WALKER, FREDERIC JAMES <	Light Co., Carnaby St., Golden
		Sq., W. [Licensable, London.
4000		(Gerrard 5082.] (Messrs. Clarke, Chapman & Co.,
1890.	WALKER, HENRY	Gateshead.
		(Messrs. R. Waygood & Co., Fal-
1894.	WALKER, HENRY CLAUDE	mouth Rd., Great Dover St., S.E.
		[Waygood, London. Hop 760.]
1909.	WALKER HOWEN FRANCE	Chief Mech. Eng., Buenos Aires
1909.	WALKER, HENRY EDWARD	G.S. Railway, Casilla 109, Buenos Aires, Arg. Rep.
1000	777	(51 Wellington Rd., New Brighton,
1909.	Walker, James	Birkenhead.
1910.		P.O. Box 442, Rangoon, British
1914.	M. S Walland, Sames William	Burma.
		H

1875.	Walker, John Scarisbrick	Pagefield Iron Works, Wigan; and 15 Park Crescent, Southport. [Pagefield, Wigan. 14.]
1909.	Walker, Joseph Griffin	Chief Engineer, Messrs. Walker Brothers, Walsall.
1911.	WALKER, KENNEDY	Linden, Blake Hall Rd., Wanstead, N.E.
1902.	Walker, Percy	Works Manager, Messrs. Callender's Cable and Construction Co., Belvedere, S.O., Kent.
1901. A.M.) 1907. M.)	WALKER, ROBERT	Messrs. Whittaker Hall & Co., Black Lane Engineering Works, Radcliffe, Manchester.
1876.	WALKER, THOMAS FERDINAND	58 Oxford St., Birmingham.
1890.	WALKER, WILLIAM GEORGE	Emery Hill St., Ashley Gdns., Westminster, S.W.
1878.	Walker, Zaccheus, Jun	Fox Hollies Hall, near Birming- ham.
1902.	Wallace, John Crawford	Venesta Ltd., North Woolwich Rd., Silvertown, E.
1884.	WALLAU, FREDERICK PETER	Supt. Eng., Union-Castle Mail Steamship Co., Southampton.
1901. A.M.)		(28 to 32 Vauxhall Walk, S.E.
1904. M.	WALLER, WILLIAM	[Stampings, London. Hop 1423.]
1904.	WALLIS, GEORGE PEARSON	Mount Royal, Horsforth, Leeds.
1868.	Wallis, Herbert	(239 Drummond St., Montreal, Canada.
1893.	Wallwork, Roughsedge	Union Bridge Iron Works, Charter St., Manchester.
1891.	Walmsley, John	Genl. Manager, Messrs. J. and P. Coats, Ferguslie Thread Works, Paisley.
1910. A.M.) 1915. M.	Walthew, James Galloway	British Westinghouse Co., Trafford Park, Manchester.
1905.	WALTON, GEORGE LAIRD	Gadebrook, Finchley Lane, Hen-
1898. G.)		don, N.W.
1905. A.M. 1914. M.	Wans, Oswald	Heighington, Lincoln.
1901.	Ward, John	The Limes, Waddon Court Rd., Croydon.
1864.	Warden, Walter Evers	Phoenix Bolt and Nut Works, Handsworth, R.O., Birmingham.
1900. A.M.) 1906. M.)	WARDEN-STEVENS, FREDERIC J	[Bolts, Birmingham.] (Parliament Mansions, Victoria St., Westminster, S.W.
1882.	Wardle, Edwin	Boyne Engine Works, Hunslet, Leeds. [Manning, Leeds.]
1904.	WARLOW, FREDERICK ARTHUR	Messrs. Edgar Allen & Co., Imperial Steel Works, Sheffield. [Allen, Sheffield.]
1886. G. 1891. M.	WARREN, FRANK LLEWELLYN	[155 Fenchurch St., E.C. [Vibro-scope, London. Central 4972.]
1899.	WARREN, FREDERICK FRID- LEZIUS	Managing Director, Messrs. Ross & Walpole, North Wall Iron Works, Dublin. [Iron, Dublin. 311.]
1907.	WARREN, JAMES GRAEME HEPBURN	Messrs. Robert Stephenson & Co., Darlington.

1901. WARRINER, ROBERT	Thames Engineering Works,
1900. WATCHURST, CHARLE	
1881. WATKINS, ALFRED .	
GEORGE	Rosslyn, Billericay, Essex.
1890. {Watkinson, Profess	sor Will- Walker Engineering Laboratories, The University, Liverpool.
1900. WATNEY, THOMAS SA	The Grange, Waltham St. Law-
The state of the s	rence, Twyford, Berks. (Eng. and Manager, ABC Coupler
1911. WATSON, CECIL .	Ltd., Queen Anne's Chambers,
	(Westminster, S.W. (Loco. Carr. and Wagon Supt.,
1915. Watson, Edward A	
1905. Watson, Frank Les	
1893. A.M. WATSON, GEORGE	39 Victoria St., Westminster, S.W.
1000. 111.)	Walter House, Bedford Street,
1900. WATSON, GEORGE	· · · · { Strand, W.C. [Gerrard 1840.]
	Manganese Bronze and Brass Co., St. George's Wharf, Deptford,
1890. WATSON, GEORGE Co	S.E.; and 5 Birdhurst Rd.,
1908. A.M.)	Croydon. (83 Pall Mall, S.W. [Regent
1903. A.M.) Watson, George Wi	ILLIAM { 5155.]
1882. WATSON, HENRY BUI	High Bridge Works, Newcastle-on- Tyne. [Watsons, Newcastle-on-
TAISON, ITAINE DO	Tyne. 6517.]
1896. WATSON, JAMES FALS	SHAW Sun Buildings, Park Row, Leeds.
1908. A.M. WATSON, JOHN	Messrs. Andrew Barclay, Sons & Co.,
1012.	(The Elms Twyford Rd Willing-
1897. Watson, John B	· ·· (ton, Derby.
1897. WATSON, THOMAS JO	HN {32 Grainger St. West, Newcastle- on-Tyne.
	Messrs. R. and W. Hawthorn, Leslie
1902. WATSON, WILLIAM (CUMMINGS & Co., Forth Banks Works, New-castle-on-Tyne.
1904. WATT, ADAM	Edinburgh Life Bldg., Mosley St.,
mail, mail,	Newcastle-on-Tyne. (Late Director of Naval Construc-
1902. {Watts, Sir Philip, F.R.S	, A.C.B., { tion; 10 Great George St., West-
1904. A.M.) WATTS, WILLIAM	JOHN (Messrs. Thomas Broadbent & Sons,
1909. M.) THOMAS	(Central Ironworks, Huddersfield.
1902. Way, Edward John	135-136 Cullinan Bldgs., Simmonds St., Johannesburg, Transvaal.
1897. A.M.) WAYNFORTH, Profe 1907. M.) HARRY MORTON	essor King's College, Strand, W.C.
1897. WEARING, JOHN EVE	Swan Bldgs., Edmund St., Birming-
1901 A M)	ham.
1909. M.) WEAVER, HENRY JAM	
1884. WEBB, RICHARD GEO	Messrs. George Gahagan & Co., Bombay, India.

1901.	WEBB, THOMAS HENRY	St. John's Villas, Wakefield.
1910.	WEBB, WILFRED LE PLAS-	Chief Engineer, Messrs. Crossley
	TRIER	Brothers, Openshaw, Manchester. Eng. Supt., British Burma Petro-
1912.	WEBBER, WYATT	leum Co., Calcutta.
1901.	Webster, Francis John	Loco. Dept., G.N. Rly., Doncaster.
1887.	WEBSTER, WILLIAM	Gresham House, Battery Rd., Singapore, Straits Settlements.
1891.	WEIGHTMAN, WALTER JAMES	Merlewood, Sanderstead, Croydon.
1906.	WEIR, WILLIAM	(Holm Foundry, Cathcart, Glas-
		gow. (15 Ashburnham Gdns., Upminster,
1898.	Wells, George James	Romford.
1895. A.M.)		Seaton Bldgs., 17 Water St., Liver-
1897. M.	WEST, CHARLES HERBERT	pool. [Referee, Liverpool. Central 5223.]
1000	Wasan Essense	(82 Belvedere Road, Lambeth, S.E.
1898.	West, Ernest	[Verikold, London. Hop 3687.]
1894.	West, John	Albion Iron Works, Miles Platting,
1001	777 -	(Ravenhead Plate Glass Works,
1891.	WEST, LEONARD	St. Helens, Lancs.
1911.	WEST, WILLIAM EDWIN	Caxton House, Westminster, S.W.
1902.	WESTGARTH, TOM	[Victoria 4340.] 76 Duchy Road, Harrogate.
1907. A.M.)	WESTLEY, ARTHUR WILLIAM	P.O. Box 246, East London, Cape
1913. M.	· ·	Colony.
1903. A.M.) 1909. M.	WESTLEY, CHARLES BARNARD	The Limes, Downend, Bristol.
1895.	(WESTMACOTT, HENRY ARM-	Benridge Hall, Ponteland, New-
1030.	STRONG	castle-on-Tyne.
1862.	WESTMACOTT, PERCY GRA- HAM BUCHANAN (Past-Presi-	Sir W. G. Armstrong, Whitworth & Co., Newcastle-on-Tyne; and
2002.	dent)	Rose Mount, Ascot.
1880.	(WESTMORELAND, JOHN	University College, Nottingham.
	WILLIAM HUDSON)	(Messrs. Joseph Watson & Sons,
1903.	WESTON, THOMAS WILSON	Whitehall Soap Works, Leeds.
1902. A.M.)	WESTON, WILLIAM NEWTON	Messrs. Herbert Morris Ltd.,
1908. M. <i>f</i> 1888.	WEYMAN, JAMES EDWARDES	Empress Works, Loughborough. Pilgrim House, Newcastle-on-Tyne.
		(Messrs. John Brown & Co., Rother-
1915.	WHALLEY, EDMUND BESSELL	ham.
1915.	WHATNALL, JAMES ALFRED	Chief Engr., Messrs. Walter Bridges & Co., 3 Salters' Hall Court,
2010.	HAINALL, VARIES ALFRED	Cannon St., E.C.
1 912.	WHEATLEY, WILLIAM GEORGE	12 Camac St., Calcutta, India.
1896.	WHEELER, PERCY	Brunswick House, Central Buildings, Westminster, S.W.
1894.	WHITBY, ARTHUR GEORGE	Elville, The Park, Cheltenham.
1901.	WHITE, ALFRED FRANCIS	Durley House, Lamaha St., George-
1913.	WHITE, EDMUND	town, British Guiana. 14 Harp Lane, E.C.
		((Capt., 69th Punjabis), G.H.Q.
1908. A.M.) 1908. M.)	WHITE, HENRY GEORGE NORMAN	Troops Supply Column, G.H.Q.
		Brit. Expy. Force. S Victoria Street, Westminster,
1901.	WHITE, ROBERT	S.W.

Date	e of	DI	ect	tion
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1900.	WHITEHEAD, ARTHUR	Edale, Boveney Rd., Honor Oak Park, S.E.
1905.	WHITEHEAD, HAROLD FRED- ERICK CROSSLEY	6 Napier Rd., Heaton Moor, Stock- port.
1902.	WHITEHEAD, THOMAS ROSS	Resident Eng. and Manager, Coventry Electric Tramways, Coventry.
1900.	WHITMORE, FRANK LEONARD	The Vinery, Wickham Market, Suffolk.
1902.	WHITTAKER, FREDERICK WILLIAM	40 Sunbridge Rd., Bradford.
1897.	WHITTELL, ALFRED LEIGHTON	Woodside, The Avenue, Llandaff, Cardiff.
1903. 1897.	Wicks, Gerald Hamilton Wicksteed, Charles	8 Chepstow Villas, Notting Hill, W. Stamford Rd. Works, Kettering.
1868. 1882.	G.) WICKSTEED, JOSEPH HART- M.) LEY (Past-President)	Messrs. Joshua Buckton & Co., Well House Foundry, Meadow Rd., Leeds.
1897.	Widdowson, John Henry	Britannia Works, Ordsal Lane, Sal- ford, Manchester; and 25 With- ington Rd., Whalley Range,
1915.	Wightman, Julian	Manchester. [Taps, Salford.] 47 Firth Park Avenue, Sheffield. (Supt. Eng., British and Argentine
1906.	WILBY, FRANK BURDETT	Meat Co., Cecil House, Holborn Viaduct, E.C. [Reformer, Cent, London. Holborn 6484.]
1909 1912.	A.M. WILCOX, JOHN GEORGE	16 Sandel Street, Calcutta. [Freez-ing. Calcutta.]
1895. A		c/o W. S. Laycock, Victoria St. Works, Sheffield.
1903. 1 1907.	A.M. WILDING, JAMES ARMSTRONG	3 Wilson St., Drury Lane, W.C. [Effacing, London. Gerrard 4633.]
1909.	WILKIE, JAMES BOWYER	Supt. Eng., Messrs. Elder Dempster & Co., Mersey Engine Works, Sefton St., Liverpool.
1892.	WILKINSON, EDWARD R	(c/o National Safe Deposit Co., 1 Queen Victoria St., E.C.
1902. 1 1904. 1898.	A.M. WILKINSON, FRANCIS ALAN	19 and 20 York Place, W.; and Hatfield, Herts. Beech Mount, Otley Rd., Harrogate.
1903.	WILKINSON, HENRY DANIEL {	4 Queen St. Place, E.C. [Conspicio, London.]
1907.	Wilkinson, Joseph {	Queen's Dock Chbrs., Alfred Gelder St., Hull.
1912.	WILKINSON, LEONARD MAR-	26-27 Bond Street, Leeds.
1908. A		Briarwood, Heathville Rd., Gloucester.
1909. 1901.	WILLATT, WILLIAM HENRY	16 Sutton Court, Chiswick, W. Messrs. Reckitt & Sons, Hull.
1905.	WILLCOCKS, FREDERICK ROWE {	23 Monton St., Moss Side, Man-
1909.		chester. 14 Norfolk Street, Sunderland. Marine Engineering Supt., Port
1910.	WILLON, REGINALD JOHN NORMAN	of London Authority, Works at Port of London Wharf, Mill- wall, E.

Date of Election and of Transf		,
1900. A.M 1903. M	WILLIAMS, ARTHUR	Apartado 930, Mexico City, Mexico.
1893.	WILLIAMS, ARTHUR EDWARD	Res. Engineer, Dagenham Dock, Essex.
1892. G 1895. A.M	. WILLIAMS, ARTHUR EDWARD	[52 Queen Victoria St., E.C. [Central 2590.]
1907. M 1911. 1900. A.M	WILLIAMS, BERNARD EDWARD	Crimble West, Bamford, Rochdale. (Ministry of Munitions, Armament
1907. M	WILLIAMS, CHARLES EDWARD	Buildings, Whitehall, S.W. (Harbour Eng., Dundalk Harbour
1909. 1905. A.M	WILLIAMS, DAVID JOSEPH	Commissioners, Dundalk.
1913. M 1897. G	[,)	United Service Club, Calcutta. (3 Salters' Hall Court, Cannon St.,
1899. A.M 1905. M	. WILLIAMS, HAL	E.C. [Halwilite, London. London Wall 4383-4.]
1895. A.M 1900. M	(:) WILLIAMS, HENRY WATSON	Elder Bldgs., William St., Perth, W. Australia.
1884.	WILLIAMS, JOHN BEGBY	Central Marine Engine Works, West Hartlepool.
1901.	WILLIAMS, JOHN NORMAN SPENCER	P.O. Box 532, Honolulu, Hawaiian Islands.
1890.	WILLIAMS, THOMAS DAVID	(c/o Dr. R. O. Williams, Goulburn, N.S.W.
1881.	WILLIAMS, WILLIAM FREKE MAXWELL	35 Queen Victoria Street, E.C.; and North Lodge, Windsor Forest.
1889.	WILLIAMS, WILLIAM WALTON	34 Broomwood Rd., Wandsworth Common, S.W.
1897. 1907.	WILLIAMS, WYNDHAM HENRY (WILLIAMSON, ALEXANDER	Westover Lawn, Bournemouth. [Lloyd's Register of Shipping, 42c]
1907. A.M	SMART	Sagarimatsu, Nagasaki, Japan.
1910. M	[.] Member)	83 Hayes Road, Bromley, Kent. (Iron Shipbuilding Yard, Working-
1883.	WILLIAMSON, RICHARD	ton; and South Lodge, Cocker- mouth.
1894. A.M	I.	3 The Drive, Gosforth, Newcastle- on-Tyne.
1911.	WILLIS, Major GEORGE HENRY, M.V.O., R.E.	
1897.	WILLS, FRANK	Perseverance Works, Bridgwater. (Downs View, Warwick Rd.,
1911.	WILMS, LUDWIG HERMANN	Coulsdon, Surrey.
1912.	WILSON, CHARLES	Dist. Loco. Supt., Federated Malay States Rlys., Kuala Lumpur, F.M.S.
1903. A.M 1911. M	I.) WILSON, CHARLES AUGUSTUS	566 Barnsley Rd., Pitsmoor, Sheffield.
1900.	Wilson, Henry	Works Manager, Messrs. A. and T. Burt, Dunedin, N.Z.
1881.	Wilson, John	New Place, Upminster, Romford. (Principal, School of Practical
1890.	Wilson, Joseph William	Engineering, Crystal Palace, S.E.
1911.	Wilson, Nathaniel, D.S.O.	Littlehurst, Berkhamsted.

Date of Election and of Transfer.

1901.	A.M. WILSON, RICHARD DAWES	(2 Ennerdale Rd., Kew Gardens,
1912.	M.) WILSON, RICHARD DAWES	Surrey.
1873.	Wilson, Thomas Sipling	Messrs. Rose, Downs & Thompson, Old Foundry, Hull.
1904. 1912.	$\stackrel{A.M.}{M.}$ Wilson, William Buxton	Suptg. Eng., Penang Sugar Estates Co., Penang, Straits Settle- ments.
1897.	WILSON, WILLIAM CAMPBELL	St. Micholas Works, Inchord.
1899.	Wilson, William Hope	2 Nithsdale Place, Pollokshields, Glasgow.
1901.	WILTON, BARTEL	Westseedyk 402, Rotterdam, Holland.
1891.	Wimshurst, James Edgar	108 Fenchurch Street, E.C.
1911.	WINDER, BARTLETT WRANG-	Works Manager, Messrs. Jonas and Colver, Sheffield.
1907.	WINDER, OLIVER	Egerton House, Egerton Park, Rock Ferry, Birkenhead.
1901.	A.M. WINGATE, ARTHUR WIN-	Cirkerna Clithana
1910.	M. GATE	Gisburne, Clitheroe.
1900.	WINGFIELD, CHARLES HUM-	20 Central Hill, Norwood, S.E.
1890.	WINGFIELD, DIGBY CHARLES	Harland Rise, Polworth Rd., Streatham, S.W.
	A.M. WINSTON, HAROLD HOLMES	(Messrs, Waterlow & Sons, Fins-
1903. 1896.	A M)	bury, E.C. (80-89 Glover St., Birmingham.
1903.	M. WISEMAN, ALFRED	[Verus, Birmingham. 2299.]
1902.	Wollaston, Henry Uppleby	Hulburd Engineering Co., St. Benet Chambers, Fenchurch Street, E.C.
1900.	Wollaston, Thomas Roland	Lord's Chbrs., 26 Corporation St., Manchester. [Parabola, Manchester.]
1902.	G.)	(P.O. Box 435, Johannesburg,
1903. 1913.	A.M. WOLSTENHOLME, WALTER	Transvaal.
1881.	Wood, Edward Malcolm	3 Victoria St., Westminster, S.W.
1913.	Wood, George Thomas	Works Manager, Messrs. Daniel
1887.	WOOD, HENRY	Adamson, Dukinfield, Cheshire. The Beeches, Astley Bridge, Bolton.
1911.	Wood, Henry Alfred	Eng., Tees Conservancy Commissioners, Middlesbrough.
1902.	Wood, Hervey Alan	Dist. Loco. Supt., E.I. Rly., Jamal-
1880.	a >	\ pore, Bengal. \(Metrop. Water Board, New River \)
1886.	M. WOOD, JOHN MACKWORTH	District, Rosebery Avenue, E.C.
1868.	Wood, Sir Lindsay, Bart	Southhill, Chester-le-Street. (British American Tobacco Co.,
1915.	Wood, Maurice Arthur	Cecil Chambers, 86 Strand, W.C.
1913.	Wood, Robert Dudley	State Insurance Bldgs., 14 Dale St., Liverpool.
1905.	Wood, Robert Gosby	11 Ailsa Drive, Langside, Glasgow.
1884.	Wood, Sidney Prescott	58 Victoria St., Westminster, S.W.
1898.	Wood, Sydney Henry	Gas Light and Coke Works, Beckton, E.

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1890.	Wood, Thomas Royle	Los Talleres, Ferro Carril Rosario, Campana, Buenos Aires, Arg. Rep.
1904.	WOOD, WALTER JAMES	King Edward's Chbrs., 116 Cleethorpe Rd., Grimsby.
1890.	WOOD, WILLIAM	31 Studley Rd., Clapham Rd., S.W.
1882.	WOODALL, Sir CORBET, D.Sc.	Palace Chbrs., 9 Bridge St., West- minster, S.W.
1902. A.M.)	Woodeson, William Arm-	Messrs. Clarke, Chapman & Co.,
1905. M. (1912. A.M.)	STRONG	Gateshead. (148 Albert Palace Mansions, Batter-
1914. M.	WOODFIELD, CHARLES HENRY	sea Park, S.W.
1905.	Woodhouse, Richard	Clifton Bridge Iron Works, Brig- house.
1897.	Woods, ARTHUR ROBERT	The Red Cottage, West Hill, Harrow.
1894.	Woods, William Henry	Liver Foundry and Engine Works, Ordsal Lane, Salford, Manches- ter. [Sluice, Manchester. 1962.]
1899.	Woof, Thomas	Acacias, Western Road, Sutton, Surrey. [Sutton 1038.]
1898.	Woollen, Thomas Henry	[56 St. Mark's Rd., Kensington, W. [Western 5141.]
1904.	WOOLLISCROFT, GEORGE WILLIAM	Ministry of Munitions, Room 749, Armament Bldgs., Whitehall, S.W.
1899.	WOOTTON, JOHN	Coalville Iron Works, Coalville, Leicester.
1895.	Wordingham, Charles Henry	Beechgrove, Ridgeway Rd., Red Hill. [453.]
1887.	Worger, Douglas Fitzgerald	Eng., Southern Dist., Metrop. Water Board, Brixton Hill, S.W.
1894.	WORSDELL, WILSON (Member of Council)	Tudor Court Hotel, Cromwell Road, South Kensington, S.W.
1897. A.M. 1910. M.	Worsley, Philip John, Jun.	Messrs. E. G. Wrigley & Co., Foundry Lane Works, Soho, Birmingham.
		Messrs. G. J. Worssam & Son, Wen-
1877.	Worssam, Henry John	lock Rd., City Rd., N. [Mass-row, London. King's Cross 677.]
1893. G.) 1895. A.M.)	WORT, WALTER EDWARD	20 Maryon Pand Charlton S.F.
1909. M.	WORT, WALTER EDWARD	29 Maryon Road, Charlton, S.E.
1888.	WORTHINGTON, EDGAR	(Secretary), The Institution of Mechanical Engineers, Storey's Gate, St. James's Park, S.W.
1897.	WORTHINGTON, WILLIAM BAR-	Engin-Chief, Mid. Rly., Derby; and Kirk Styles, Duffield, Derby.
1900.	WRIGHT, BENJAMIN HOLLING-	199 Piccadilly, W. [Frefouche,
1897.	WRIGHT, FREDERICK GEORGE	G.W. Rly. Works, Swindon.
1909.	WRIGHT, GEORGE WARD	Chief Eng., Mount Lyell Mining and
1867. G.)		Rly. Co., Queenstown, Tasmania.
1873. M.	WRIGHT, JOHN ROPER	Hendrefoilan, Sketty, Glam. (Genl. Manager, Dowson & Mason
1903.	WRIGHT, THOMAS	Gas Plant Co., Alma Works, Levenshulme, Manchester.

Date	of	Election
and	of 7	Transfer.

and of Transfer.				
1871. WRIGHTSON, Sir THOMAS, Ba	rt. {Teesdale Iron Works, Stockton-on- Tees.			
1901. WRIGHTSON, WILLIAM PE	Re- 14 Church Road, Penarth.			
1898. A.M. WRINCH, HUGH EDWARD HA	RT {Engineer's Office, Metropolitan Water Board, Surbiton.			
1900. A.M. WYLD, WILLIAM	19 Parsifal Road, Hampstead, N.W.			
1902. WYLES, DAVID DEWAR	St. George's Engineering Works, Trafalgar St., Brighton.			
1902. WYLLIE, JAMES	Chief Mech. Eng., Messrs. Henry Tate & Sons, Love Lane, Liver-			
1902. A.M.) WYNBLOOM, ALBERT VICTOR	16 Union Court, Old Broad St., E.C.			
(Wyvill Freneric Chr.	([Cheveral, Dollaon, Central 2000.]			
1877. { TOPHER	62 Springfield Place, Leeds.			
1889.	AN- {Homestead, Hindhead, Haslemere, Surrey.			
1895. YARWOOD, WILLIAM JAMES	Castle Dock Yard, Northwich. [74.]			
1910. {YATES, HARBY JAMES (L. Member)	ife Managing Director, Messrs. John Wright & Eagle Range, Essex Works, Aston, Birmingham.			
1899. YATES, WALTER	Cyclone Works, Swinton, Man- chester. [Cyclone, Swinton, Manchester. 1871.]			
1891. G.) YERBURY, FREDERICK A. 1912. M.) GUSTUS	Clarence House, Queen's Rd., Her- Sham, Walton-on-Thames.			
1902. A.M. YERBURY, HARRY EDWARD	Deputy Genl. Manager, Electric Supply Dept., Commercial St., Sheffield.			
1880. G. YORK, FRANCIS COLIN	Loco, Supt., B.A. and Pacific Rly., Junin, Buenos Aires, Arg. Rep.			
1903. Young, Frederick Willia	(Tivornool Salvage Assocn Tiver-			
1903. A.M. 1911. M. YOUNG, GEORGE ALBERT	·· Coventry Ordnance Works, Scotstoun, Glasgow.			
1915. Young, John William	Engg. Dept., Anglo-American Oil Co., 36-38 Queen Anne's Gate, Westminster, S.W.			
1892. Young, Robert	England House, Penang, Straits Settlements.			
1894. A.M.) YOUNG, SMELTER JOSEPH	Tempered Spring Co., Ltd., Burton Weir Works, Sheffield. [Tem-			
1896. M.) Young, Thomas	pered, Sheffield. 354.] 203 West George St., Glasgow.			
23.27.2	Messrs. Lobnitz & Co., Renfrew, Paisley [Lobnitz, Renfrew. Pais-			
1887. Young, William Andrew	ley 57.]; and Netherhill, Ren- frew Rd., Paisley.			
1881. Younger, Robert	Elmire House, Heaton Rd., Heaton, Newcastle-on-Tyne.			
1913. YULE, JAMES ALEXANDER	Chief Mech. Eng., Langlaagte Estate and G. M. Co., P.O. Box 98, Johannesburg, Transvaal.			
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ASSOCIATE MEMBERS.

[A.M.I.Mech.E.]

[A.M.I.Mech.	,E,]
Date of Election.	
1906. Abbott, Alfred Ernest	Eng. and Surveyor, Stratford and Wolverton Rural District Coun- cil, Wolverton, R.S.O., Bucks.
1912. {ABBOTT, JOHN HAELEN AB-}	The Pumping Station, Chiswick, W.
1902. ABBOTT, ROBERT HILL	71 King St., Manchester.
1913. ABBOTT, SYDNEY WILLIAM	Lynwood, Llanishen, Cardiff.
1907. G. ABELL, CHARLES EDMUND	4 Foregate Street, Worcester.
1896. ABELLA, JUAN	(3090 Calle Echeverria, Buenos Aires, Arg. Rep.
1908. ABLITT, EDWARD FREDERICK	British Renal Co., Mansion House Chbrs., 11 Queen Victoria St., E.C.
1908. ABRAHAM, GRIFFITH	The Neath, near Cross Keys, New- port, Mon.
1900. Adams, Albert Edward	Boro' and Water Works Eng., Chippenham.
1910, {Adams, Archibald Campbell, F.R.S.E	1 Old Smithhills, Paisley.
1903. Adams, Dawson	National Electric Supply Co., Crown St., Preston.
1905. Adams, Francis Robert John	Messrs. Thomas, Adams & Wood, Shameen, Canton, China.
1912. Adams, James Walter	Chief Eng., Messrs. J. Smith & Sons, Preston St., Bradford.
1909. Adams, Maurice Hoppus	Res. Eng., Lancashire Electric Power Station, Radcliffe, Man- chester.
1907. Adams, Percy William	20 Calderwood Rd., Rutherglen,
	Glasgow. 22 Writers Bldgs., Calcutta, India.
1911: Addison, Frank	Gordon College, Khartoum, Egypt. 11 Upper Parkfields, Putney, S.W.
1910. SAIENGAR, KRISHNAMACHARI	(Dist. Loco. Supt., Mysore State
SRINIVAS AIKEN, JOHN WILSON DONALD-	Rlys., Bangalore, South India. Tavoy, Lower Burma.
1906. AIRD, JAMES ERSKINE	Deundi Tea Estate, Shaistaganj P.O., A.B. Rly., India.
1911. AIREY, WILLIAM WILKINSON	Messrs. Ashton, Frost & Co., Bank Top Foundry, Blackburn.
1906. G.) AITKEN, ARTHUR JAMES	Galang Besar, c/o Messrs. Guthrie & Co., Singapore, Straits Settlements.
1907. G. AITKEN, JAMES	Messrs. J. Abernethy and Co., Ferryhill Foundry, Aberdeen.
1904. AITKEN, ROBERT REGINALD	Savanna-la-Mar, Jamaica.

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1902.	AKERLIND, GUSTAF FREDRIC	Co., Aughnacloy, R.S.O., Co. Tyrone.
1899.	ALDER, GEORGE FREDERICK	10 Church St., Tewkesbury.
1909.	ALDER, JOHN FREDERICK	2 Wynnstay Gardens, Kensington,
1910.	ALDRICH, THOMAS GOOCH	W. 12 Bathurst St., Hyde Park, W.
1913.	ALDWORTH, EDWARD HENRY	1852 Cartier Street, Montreal,
	(ALEXANDER, CHARLES WIL-	Canada. The Sopwith Aviation Co., King-
1907.	LIAM	ston-on-Thames.
1899.	ALEXANDER, JOSEPH GEORGE	New Capital, Bankipur, Bihar and Orissa, India.
1903.	ALEXANDER, WILLIAM	S. A. School of Mines and Technology, P.O. Box 1176, Johannesburg, Transyaal.
1905. G.)	1 2 2	nesburg, Transvaal. (Electrical Engr.'s Office, Metro-
1915. A.M.	ALGAR, STANLEY CURTIS	politan Rly., Neasden Works, Neasden, N.W.
1904.	ALLAN, ALEXANDER BUCHANAN	Messrs. Hughes & Lancaster, Acre-
2001,	ADDAY, ADDAANDIN DOCHANAN	fair, Ruabon.
1905.	ALLCOCK, HARRY	Radbourne, Ollerbarrow Rd., Hale, Altrincham. [Altrincham 176.]
1909. G.)	ALLCUT, EDGAR ALFRED	32 St. Matthew's Rd., Smethwick,
1914. A.M.		Birmingham. Engineering Dept., Technical Col-
1908.	ALLEN, CHARLES CARROL	lege, Auckland, N.Z.
1911.	ALLEN, CLARENCE EDGAR	68 Marlborough Road, Watford. [Former Associate 1900–1908.]
1911.	ALLEN, CLEOPHAS WILLIAM	1209 Latchmere Road, Lavender
	GEORGE	Hill, S.W. 12 The Hawthorns, Church End,
1905.	ALLEN, THOMAS FEARNLEY	Finchley, N.
1914.	ALLEN, WILLIAM SELWYN	116 Green Lane, Rawmarsh, Rotherham.
1902. G.)	ALLENGRY CHARLES DEED	(Messrs. Benham & Sons, 66 Wig-
1905. A.M.	ALLENSBY, CHARLES REED	more St., W.
1915.	ALLIBON, SAMUEL	Messrs. Roneo Ltd., Roneo Works, Romford.
1912.	ALLIN, HENRY PHILIP	1 Victoria Street, Westminster, S.W.
1911.	ALLISON, BERTRAM JOHN	Wilton's Eng. and Slipway Co., Tower Chbrs., 118 London Wall,
1906. G.)	ATTION WITHIN TO	E.C. (Supt. and Manager, Govt. Rly.,
1911. A.M.)	ALLISON, WALTER EDWARD	Stann Creek, British Honduras.
1913.	ALLISON, WILLIAM FRANCIS DUDLEY	Acting Loco. Supt., Govt. Railways, Lomé, Togoland, West Africa.
1912.	ALLMAN, ARTHUR JAMES ROCH-	24 Thorny Hedge Road, Gunners- bury, W.
1905.	ALLSOP, JOHN WILLIAM KID-	Jesselton, British North Borneo.
1904.	AMOR, CHARLES THOMAS	sc/o The Director, Royal Indian
		Marine, Bombay.
1902.	Amos, Harold Clyde	Glaslyn, Onslow Gardens, Wallington, Surrey.
1904. G.) 1910. A.M.		Bartonbury, Merstham, Surrey.
1900.	ANDERSON, ATHOL LANCELOT	H.M. Dockyard, Hong Kong, China.

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	1913.	Anderson, James George	Messrs. Vickers Ltd., Vickers House, Broadway, Westminster, S.W.
	1912.	Anderson, James Thomas	(Grosvenor House, 260 Fishponds
	1912.	Anderson, John	12 Gray St., Sandyford, Glasgow.
	1911.	Anderson, John Henry	Works Supt., Steamship Owners' Coal Association, Purfleet Pier, Purfleet.
	1913.	Anderson, John Herbertson	Chief Eng., Govt. Mental Hospitals Dept., Porirua, Wellington, N.Z.
	1908.	ANDREW, CECIL DANIEL	72 Bury Old Road, Manchester.
	1909.	Andrew, Tom	4 Langford Road, Heaton Moor, Stockport.
	1898.	Andrews, Frederic Ernest	Chairman, Messrs. Bruce, Peebles & Co., Edinburgh.
	1909.	Andrews, Henry Godfrey	Quigney, Alexandra Road, Park- stone, Dorset.
	1909.	Andrews, Neale	1 Queen's Mansions, Brook Green, Hammersmith, W.
	1907. G.) 1913. A.M.	Andrews-Vickery, Herbert	Engineering Works, Chudleigh, Devon.
	1912.	Angles, John William	Technical College, West Hartle-
	1907. G.) 1913. A.M.)	Ansell, Arthur Molloy	Manager, Messrs. Ansell & Sons, Toong P.O., Darjeeling Hima- layan Railway, Bengal.
	1909.	Anson, John Anchitel	Electric Light Dept., P. W. D., Lagos, West Africa.
	1906.	Anthony, Reginald Emerson	Bromley Motor and Engineering Works, Mason's Hill, Bromley, Kent.
	1909.	ARBER, PERCY HERBERT	26 Arlow Rd., Winchmore Hill, N.
	1908.	ARMFIELD, FRANK	247 Westbourne Grove, Bays- water, W.
垩	1913. G.) 1915. A.M.	ARMFIELD, JOSEPH HAROLD	Vale of Avon Iron Works, Ring- wood, Hants.
	1912.	ARMITAGE, CHARLES VARLEY	Works Mgr., Messrs. Gwynnes, Hammersmith Iron Works, Hammersmith, W.
	1908. G.) 1914. A.M.)	ARMITAGE, HERBERT CYRIL	Messrs. Cogswell & Harrison, Gillingham St., S.W.
	1911.	ARMSTRONG, PERCY ALBERT	Quasi Arc Co., 61 Broadway, New
	1912.	ARMSTRONG, PERCY TOWNS	York, U.S. 13 Regent Street, Barnsley.
	1911. G.		c/o John Milburn, Workington.
	1916. A.M.		34 Richardson Street, Perth, West-
	1912.	ARNEY, ARTHUR EDWARD	ern Australia.
	1899.	ARNOLD, ARNOLD ATTWOOD	Mirrlees Watson Co., Scotland St., Glasgow.
	1911.	ARNOT, DAVID	18 Western Gardens, Ealing, W.
	1915.	ARTHUR, HENRY HERBERT	Engr. and Manager, Carmarthen Electric Supply Co., Carmarthen.
	1913.	ARUNACHELAYER, T. K	Mysore Public Works Department, Bangalore, S. India.
	1906.	ARUNDEL, FRANK DREW	c/o Mrs. C. E. Wheeler, 24 Upper Mall, Hammersmith, W.
	1912.	ASH, WILFRID CRACROFT	Port of Calcutta Commissioners, Calcutta, India.

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1908.	ASHTON-PRYKE, CHARLES FREDERIC	British North Borneo Rly., Jesselton, British N. Borneo.
	(, , , ,	(Manager, The Gourepore Co., Nai-
1914.	ASHWORTH, SIDNEY HERBERT	hati, E.B.S. Railway, Bengal.
		(Sassoon Spinning & Weaving Co.,
1911.	ASPDEN, HARRY LYNDELL	Mills, Mount Estate, Mazagon.
		Bombay.
		(52 and 53 International Exchange.
1913.	ASTBURY, HARRY	
		Edmund St., Birmingham.
1913.	ASTON, REGINALD GODFREY	Hurdsfield Vicarage, Macclesfield.
1909.	ATHERTON, ARTHUR	28 Corporation Oaks, Nottingham.
1901.	ATHERTON, ERNEST STANLEY	Petit Bôt, Forest, Guernsey.
1904.	G.)	(Messrs. W. Heap & Co., Royal Liver
	AMETRIC ADMITTD HENDY	
1909.	A.M.)	Bldg., Water St., Liverpool.
		Municipal Technical School, Liver-
1902.	ATKINS, EVAN ARTHUB	{ pool; and 9 Breckside Park, An-
		field, Liverpool,
1907.	G.)	(Messrs. Stein & Atkinson, 47
	A TOTAL TOTAL TAXABLE STATE TOTAL	
1910.	A.M.)	Victoria St., Westminster, S.W.
1905.	G. ATKINSON, JOHN TOM	15 York Terrace, North Shields.
1910.	A.M. ATRINSON, SOHN TOM	10 Tota Terrace, Troum phicias.
1902.	G.)	(Yorkshire Electric Power Co.,
1912.	A M' ATKINSON, REGINALD CHARLES	Wellington Road, Dewsbury.
2012	21.112.)	(South Western Polytechnic, Chel-
1900.	AUGHTIE, HERBERT	
	· · · · · · · · · · · · · · · · · · ·	sea, S.W.
1903.	AUSTIN, SAMUEL, Jun	62 Tylney Road, Sheffield.
1912.	Avenue Prov Contractor	(Assam Oil Co., Digboi P.O., Digboi,
1912.	Avent, Ben Stafford	Upper Assam, India.
		(Simplex Conduits Ltd., Garrison
1912.	AVILA, JOHN FREDERICK	Lane, Birmingham.
1904.	(1)	(Dane, Diriminguam.
	A M AYKROYD, JOHN KENNETH	Durlston, Corfton Road, Ealing, W.
1913.	A.M.)	

1906.	BABINGTON, EUSTACE BASIL	Verana House, Curzon St., Long Eaton, Nottingham.
1913.	BACKHOUSE, WALTER SYDNEY ACKROYD	Messrs. Backhouse Brothers, Cheadle Motor Co., Cheadle, Cheshire.
1902. 1908.	A.M. BACON, ERNEST LESLIE	Messrs.Mann, Egerton & Co., County Garage, Bury St. Edmund's.
1914.		University College of South Wales and Mon., Cardiff,
1912.	BACON, JAMES	Elmthorpe, Friends Rd., Croydon.
1907.	BADGER, JOHN RICHARD	Cupola Works, Rotherham; and Langdale, Rotherham.
1913.	BADGER, SAXON ALFRED	Cupola Works, Rotherham.
1900. 1903.	G. BAGG, HENRY ARTHUR	4 Calthorpe Rd., Banbury.
1907. 1912.	A.M. BAILEY, DAVID EDWARD	173 Masterman Rd., East Ham, E.
1900,	BAILEY, HARRY DORNING	8 Castleton Mansions, Barnes, S.W.

		(C 1 1 . T) At TT 35 C # CT
1912,	Bailey, Henry Charles	Submarine Depôt, H.M.S. "Shearwater," Esquimalt, British Columbia.
1908. 1907.	Bain, David Balfour Bain, John Anderson	31 Ashley Rd., Crouch Hill, N. Belmont Works, Battersea, S.W.
1912.	BAINBRIDGE, ALBERT WALLIS	Messrs. Braithwaite and Kirk, 36 Lime St., E.C.
1903. G.) 1905. A.M.)	BAKER, ARTHUR	Director, Model Workshops, Bulac, Cairo, Egypt.
1899.	BAKER, HENRY GOULDTHORPE	Messrs. John Baker & Co., Kiln- hurst Wagon Works, Kilnhurst, Rotherham.
1903.	BAKER, HERBERT HENRY	Messrs. Merz & McLellan, Colling- wood Bldgs., Newcastle-on-Tyne.
1909.	BAKER, JOSEPH SAMUEL	Messrs. Joseph Baker and Sons, Willesden Junction, N.W.
1909.	BAKER, Professor PERCY MON-	Victoria Institute, Byculla, Bom- bay, India.
1912.	Baker, William George	Manager, Paragon Engineering Works, Castletown, Portland.
1 911.	BAKEWELL, FREDERIC JOHN	Messrs. Morris & Lister (London), 3 and 4 Palace Chbrs., Bridge St., Westminster, S.W.
1900.	MUND	Blyth Harbour Commissioners, Blyth.
1902.	BALDWIN-WISEMAN, WILLIAM RALPH, M.Sc	162 Winchester Rd., Southampton.
1913.	Bale, Anthony Powis	Lumps Fort, Portsmouth.
1902.	Balfour, George	Messrs. Balfour, Beatty & Co., 66 Queen Street, E.C.
1907.	BALFRY, JOHN CHARLES KEL-	Messrs. C. and W. Walker, Midland Iron Works, Donnington, New- port, Salop.
1902.	BALL, COMER SANDYS	Bella Vista, Tennyson Road, Luton.
1899. 1906. G.)	BALL, EDMUND BRUCE	6 Acacia Road, Acton, W. Messrs. Whiteway and Ball, 1 North
1912. A.M.	BALL, WILLIAM FRANCIS	Quay, Torquay. (Messrs. Robey & Co., Globe Iron
1915.	Ballinger, Harold	Works, Lincoln.
1911. G.) 1916. A.M.)	Balsom, Ernest Victor	27 Hermitage Road, Finsbury Park, N.
1912.	BAMFORD, DANIEL	Messrs. A. Edmeston & Sons, Patricroft, Manchester.
1910.	Bamford, Frederick	14 Wellington Grove, Stockport.
1910. G.) 1915. A.M.	Bamford, John Theodore	Messrs. E. G. Wrigley & Co., Foundry Lane Works, Soho, Birmingham.
1912.	Bamford, William	Messrs. Dewrance & Co., 165 Great Dover St., S.E. Manganese Bronze & Brass Co.,
1910.	Banks, Alexander	St. David's Wharf, West Ferry Road, Millwall, E.
1911. G.) 1915. A.M.	BANKS, HERBERT WILLIAM	Messrs. J. and E. Hall, Dartford.
1896.	BARBA, ALFONSO G	Las Palmas, Canary Islands.
1894. G.) 1900. A.M.)	·	St., Manchester; and Roseleigh, Palatine Rd., Northenden, Man-
		chester.

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1905.	BARBER, GEORGE ALFRED	Royal Laboratory, Royal Arsenal, Woolwich.
		Manager, Engineers' Tool Dept.,
1914.	BARBER, JOHN HARRY	Messrs. Thomas Firth and Sons, Norfolk Works, Sheffield.
1910.	BARBER, WILLIAM EDWARD	64 Dallin Road, Plumstead.
1907.	BARFORD, VALENTINE GEORGE	Messrs. J. I. Thornycroft & Co.,
1901.	DARFORD, VALENTINE GEORGE	Basingstoke.
1913.	BARGATE, GEORGE, Jun	55 Larkspur Terrace, Jesmond,
2010,	and the same of th	Newcastle-on-Tyne.
1914.	Barker, Theodore Delabere	City Water Works, Christchurch, New Zealand.
1912.	BARLOW, CHARLES ROBERT	City Engineer's Office, City Hall,
2012	Dillion, Olimbrian 1005mil	Cape Town, Cape Colony.
***	D	(Managing Director, Sheffield Motor
1904.	BARNES, ARCHIBALD	Co., 222-6 West Street, Shef-
1000	G)	field.
1906.	A.M. BARNES, JOHN EGERTON	6 Sheriff Road, West Hampstead, N.W.
1909.	A.M.)	Netherwood, Pembroke Street,
1911.	BARNES, THOMAS EDWARD	Ashfield, Sydney, New South
TOTT.	Damins, Thomas Libitatio	Wales.
1911.	BARNEY, LEWIS WINTER	Newtown, Waterford.
		(Messrs. W. A. Stevens, Victoria
1901.	G. BARNWELL, ELIOTT ARTHUR	Works, St. Peter Street, Maid-
1911.	A.M.) Dankwalls, Editor Altitor	stone.
		Nobel's Explosives Co., Engineering
1915.	BARR, GEORGE	Department, Pembrey Factory,
4010	G.)	Burry Port, Carmarthenshire.
1912.		Glen View, Barterholm, Paisley.
1910.	(BARRETT, CHARLES EDGAR	(Kaleeswarar Mills Co., Coimbatore,
1903.	MATHEWS	S. India.
1004	(RAPPERE TOTAL MARKETER	(Crompton Engineering Co., Mac-
1904.	NELSON	lean St., Madras, India.
1901.	G.) BARRS FRWARD	(Messrs. Tennant & Barrs, Cathedral
	A.M.)	Bldgs., Newcastle-on-Tyne.
1904.		Home Place, Limpsfield, S.O.,
1906.	A.M.	Surrey.
1902.	G.) BARRY TAMPENON CAMP	Messrs. T. Roddis Ltd., Steam
1911.	A.M. BARRY, LAWBENCE CATER	Plough Works, Roade, North- ampton.
1898.	BARTLE, GEORGE WILLIAM	Albion Brewery, Mile End, E.
		Boro' Electrical Eng., P.O. Box 44,
1913.	Bartley, Russell Howard	Te Kuiti, Auckland, N.Z.
1896.	BARTON, ANDREW	Admiralty, Works Dept., White-hall, S.W.
1902.	G.) RAPMON GROWING PROPERTY	c/o T. A. Stewart Dyer, 6 Quai
	A.M. BARTON, GEOFFREY BERKLEY	Mativa, Liége, Belgium.
		(Worthington Pump Co., 153 Queen
1902.	BARTRAM, HARRY ALFRED	Victoria St., E.C.
1915.	Barwick, Horace John	Abeokuta, Southern Nigeria, West
1010	Danwick, Lionach John	Africa.
1914.	Baseley, Reginald Bruce	Falkland Islands Government, Stanley, Falkland Islands.
1910.	A.M. BASKERVILLE, ROBERT HENRY	Messrs. Greenwood and Batley
	(RACKEDVILLE WILLIAM SHED	Ltd., Albion Works, Leeds. (Manager, National Shell Factories,
1906	WIN	Ebbw Vale, Mon.

	Date of Election.		
	1904. G.) 1910. A.M.	Basta, Habib	11 Lower Park Road, Belvedere, Kent.
	1909. G.) 1915. A.M.	BATES, WILLIAM RESTON	56 Blenheim Gardens, Willesden Green, N.W.
		BATHE, CECIL DAVID DALRYM-	Chief Electrical Engineer's Office, L. & N. W. Rly., Euston, N.W.
		Batson, Reginald George Cyril	Engineering Dept., National Physical Laboratory, Bushy House, Teddington, Middlesex.
	1914.	BAUCHOP, DUNCAN FORREST, B.E.	(Eng. Lieut., R.N.) c/o The Admiralty, Whitehall, S.W.
	1907.	BAX, HAROLD EDMUND IRON-	Eldon, Weybridge.
	1897. G.) 1902. A.M.)	BAXANDALL, RICHARD FITZ-	79 Reginald Terrace, Leeds.
	1913.	Bayley, Frederic John	Chief Eng., Cia Mexicana da Petroleo, El Aguila Refinery, Minatitlan, Vera Cruz, Mexico.
	1908.	BAYLEY, JOHN PARR	P.O. Box 5435, Johannesburg, Transvaal.
G	1900. G.) 1905. A.M.	Bazin, John Ralph	Loco. Dept., G. N. Rly., Doncaster.
	1912.	Beale, Frederick	Gun and Shell Factory, Cossipore, Calcutta, India.
	1911.	BEAN, WILLIAM HENRY	Works Manager, Messrs. Newton, Bean and Mitchell, Dudley Hill, Bradford.
	1911.	BEANLAND, HENRY	Garnant Anthracite Collieries, Garnant, S.O., Carmarthen- shire.
	1907.	BECHTEL, RICHARD CORNELIUS	Thornhurst, Connaught Road, Wolverhampton.
	1901.	BECK, ALEXANDER EDWARD	115 and 117 Cannon Street, E.C. (Palace Chbrs., 9 Bridge St., West-
	1914.	BEDBROOK, JAMES ALBERT HARVEY	minster, S.W. [Drossless, Parl, London. Victoria 6720.] [For- mer A.M. 1897–1900.]
	1913.	Bedford, Jesse	Messrs. Gordon Watney & Co., South Lodge Motor Factory, Weybridge.
	1912. 1913.	BEECH, ALBERT	8 Denmark Road, Walsall. South Gates Road, Gt. Yarmouth.
	1915.	BEECHING, HARRY	South Gates Road, Gt. Yarmouth. Messrs. Ruston, Proctor & Co., Sheaf Iron Works, Lincoln.
	1914.	BEERE, ORLANDO GEORGE	Messrs. Charles Churchill & Co., 9-15 Leonard Street, Finsbury, E.C.
	1912.	BEETHAM, HUGH STANLEY	{142 Scotia Street, Winnipeg, Canada.
	1906.	Begbie, Stanley Stibling	Cecil Hotel, P.O. Box 274, Bulawayo, Rhodesia.
	1904.	Begbie, Thomas	Res. Eng., Leeuwpoort Tin Mines, via Warmbaths, Transvaal.
	1899.	Begbie, William	P. O. Box 192, Middelburg, Transvaal.
	1909.	Belford, Charles Story	Chief Engineer, Legal Insurance Co., 231-232 Strand, W.C.
	1904.	Bell, Allan	Bank Bldgs., 60 Castle St., Liverpool.

Date o	f E	lect	ion.
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Date of Election.	
1902. A.M.) DELL, FRANK	Signal Works, Engineers' Dept., Mid. Rly., Derby.
1906. G. BELL, JOHN	43 Nassau Road, Barnes, S.W.
1890. G.) 1897. A.M.) BELL, WILLIAM THOMAS	The Elms, St. Catherine's, Lincoln.
1907. Bellingham, Benjamin	(Messrs. J. H. Richards & Co., Cato Street North, Birmingham.
1912. G. BELLMAN, HAROLD	(Private, No. 1239), London Elec- trical Engineers, R.E. (T.), Cliffe Fort, near Rochester.
1909. Belsher, Bernard James	(15 Great Alie Street, Stepney, E. [Avenue 4501.]
1911. G.) BELTON, CHARLES MORITZ	Gas Works, Castle Foregate,
1915. A.M.) Dunsford	Shrewsbury. Messrs. Ham, Baker & Co., Muni-
1908. Bence, Edgar Henry	cipal Engineering Works, Langley Green, Birmingham.
1906. Benfield, John	Healy Box Co., 83 Southwark Street, S.E.
1902. Benington, Edmond Strang-	7 Streatham Avenue, Greenbank Road, Liverpool.
1901. (BENN, WILLIAM WILTSHERE WENTWORTH	Chief Eng., Australasian Chilling and Freezing Co., Aberdeen, New South Wales.
1905. Bennett, Alfred Temple	56 Park Avenue North, Hornsey, N.
1909. Bennett, Duncan	45 Rye Bank Road, Chorlton-cum- Hardy, Manchester.
1906. Bennett, Frederic Stanley	Lewgars, Kingsbury, Middlesex.
1902. G.) BENNETT, HENRY BENJAMIN	Bombay Electric Supply and Tram- way Co., Colaba Causeway, Bombay.
1901. Bennett, Percy Mayson	Apartado 150, Tampico, Tamps, Mexico.
1901. G.) BENNETT-POWELL, PERCIVAL 1910. A.M. GORDON	Normanhyrst, Harlesden, N.W.
1910. BENNISON, WILLIAM EDWARD	Linotype and Machinery Ltd., Broadheath, Manchester.
1913. Benson, Herbert Kamerer	Royal Jubilee Metal Exchange Bldgs., Fisher St., Swansea.
1906. BENT, WILLIAM	c/o Messrs. Martin & Co., Clive Street, Calcutta.
1908. G.) BENTALL, ANTHONY FRANK	L.C.C.Tramways Dept.,62 Finsbury Pavement, E.C.
1909. BENTLEY, CUTHBERT WILLIAM	78 James Lane, Leytonstone, N.E.
1903. Bentley, Percy	Works Manager, Messrs. Jackson Brothers, Technical Works, Armley, Leeds.
1900. Bentley, Thomas Sims	Messrs. C. Churchill & Co., 9-15
1907. BENYON, GEORGE ALFRED	Leonard St., Finsbury, E.C. 31 Abbey Walk, Halifax.
1907. Benzie, John Geddes	Colombo Commercial Co., Colombo,
1912. BERGIN, JOHN JAMES	Ceylon. Athy, Co. Kildare.
1902. BERKELEY, TYRUS DOUGLAS	Clifton, Ruabon.
1908. {Berner, Corrèze Aage Oscar	11 Hayes Road, Bromley, Kent.
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Date	of	E	ecti	on.

1902.	BERRY, FRI	EDERICK	••	**	5 Bedford Street, Bolton.
1915.	Berry, He	NRY	••	••	Chief Engr., Amalgamated Press Ltd., Lavington St., Southwark, S.E.
1904.	BERRY, Ro	BERT		••	Albion Foundry, Swinton, Man- chester.
1898.	BERRY, TH	OMAS	••	••	[Pumps, Edinburgh. Central 7244.]
1902.	BERRY, WI	LLIAM	••	••	De Beers Consolidated Mines, P.O. Box 44, Kimberley, S. Africa. (Works Manager, Glacier Antifric-
1910. 1915.	A.M.) BETTERTON	, WALTER		••	tion Metal Co., Waldo Works, Waldo Rd., Willesden Junction, N.W.
1912.	Bettison,	FRANK CAS	SON	••	Messrs. Greenwood & Batley, Leeds.
1912.	Beynon, H	ERBERT		••	Messrs. Ernest West and Beynon, 82 Belvedere Rd., Lambeth, S.E.
1904.	BHARUCHA,	Fakirjee E	DULJ	EE	63 Bund Garden Road, Poona, India.
1911.	BILL, CHAR	LES EDWAR	D STE	W-	Corpn. Tramways, Council House, Birmingham.
1912.	BILLINGHU		OND		Messrs. Thomas Firth & Sons, 8 The Sanctuary, Westminster, S.W. Chief Electrical Engr's. Office, L. &
1910.	BILLINGTON	, John Dun	TON		Chief Electrical Engr's. Office, L. & N.W. Rly., Euston Station, N.W.
1902. 1906.	A.M. BILLINTON,	PERCY ROP	BERT		Res. Eng., G. I. P. Rly., Nagpur, India.
1909.			VILLI	AM	Golfers Club, Whitehall Court, S.W.
1909.	BINNS, HER				Messrs. Allen & Binns, 486-488 Glossop Rd., Sheffield.
1903.	BIRD, FRAN	K NOEL	••	• •	Yarloop, Western Australia.
1907. 1912.	A.M. BIRD, HARO	LD HUGHE	S	{	Engineer's Office, G. C. Rly., Mary- lebone Station, N.W.
1912.	BIRD, PHILE	P AUGUSTU	S	{	Prestwood Lodge, Great Missenden, Bucks.
1907.	BIRKETT, PI	ERCY	••	{	British South African Explosives Co., Modderfontein, Transvaal.
1915.	Bishop, Co.	LLINGS HOV	WELL		Messrs. Livesey, Son & Henderson, 10 Carlton Avenue, Handsworth, Birmingham.
1906. 1910.	G. BISHOP, RE	GINALD			Hillingdon House Farm, Uxbridge.
1913.	BISHOP, SYI	NEY MONTA	GUE		250 Camden Road, N.W.
1908.	BLACK, GEO	RGE LESLI	E	{	Dist. Loco. Supt., Egyptian Delta Light Rlys., Tantah, Egypt.
1912.	BLACK, JAM	es	••		Messrs. Birkmyre Bros., Hastings Mill, Rishra, E.I. Rly., Bengal.
1902.	BLAGDEN,	ARTHUR H	ERBE	RT {	Municipal Electricity Works, Shanghai, China.
1909.	BLAIKIE, JA	MES NORMA	N		1 Harvey Road, Cambridge.
1909.	BLAKE, FRAN	NCIS CLAUD	ю	{	Motor Works, Station Avenue, Kew Gardens, S.O., Surrey.
1912.	Blakeney, S	STEPNEY E	DW▲R	D	Works Mgr., Messrs. Pemberton- Billing, Supermarine Aviation Works, Woolston, Southamp- ton.
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Date of Flection	•	
1904.	BLAKER, ALEXANDER AUBREY	Manor Engineering Works, East End Road, East Finchley, N.
1905.	BLAKER, WILLIAM HERBERT	Engineer's Office, I. of M. Harbour Commissioners, Douglas, Isle of Man.
1904.	BLAKEY, JASPER	7 Duke of York St., Wakefield.
1910.	BLOOR, EDWIN HAROLD	50 Craighouse Gardens, Edin- burgh.
1915.	BLOOR, FRANK ROBERT	(Lieut., I.O.M.), 12th Corps, Salonica Force.
1915.	BLOXAM, PERCY	21 Irene Place, Blackburn.
1904.	BLOYD, FRANCIS GEORGE	Engineer's Office, S.E. & C. Rly., London Bridge, S.E.
1907.	BLYTH, HERBERT	54 Leopold Rd., St. Andrews, Bristol.
1913.	BLYTHE, EDWARD	Corporation Electricity Works, Sculcoates Lane, Hull.
1912.	BLYTHE, WALTER AFFORD	26 Machon Bank, Sheffield.
		Messrs. Mansfield & Sons, Post Box No. 124, Calcutta.
1907.	BOCK, JAMES KERR	(Norfolk House, Norfolk St., Strand, W.C.
1907.	Bollam, William Chris	County Eng. and Surveyor's Dept., Guildhall, Westminster, S.W.
1905. G. 1912. A.M.	Bolton, Edward John	Messrs. Thomas Bolton and Sons, Froghall, Stoke-on-Trent.
1909.	Bolton, Henry	Messrs. Topham, Jones & Railton, Harty Ferry Extension, Faver- sham.
1906.	BONAR, HORATIUS	(c/o Postmaster, Post Office, Stock- ton-on-Tees.
1909.	BOOTH, JULIAN LIVINGSTON	125 Elmer Avenue, Schenectady, N.Y., U.S.
1900. G. 1906. A.M.	Boreham, George Henry	12 Alpha Place, Flood St., Chelsea, S.W.
1910.	BOBLAND, ROBERT	Assist. Supt., Govt. Dockyard, Sydney, New South Wales.
1913.	Bostock, Francis John {	Messrs. David Brown & Sons, Huddersfield.
1900. G.) 1902. A.M.	BOTT, WALTER STANLEY	Messrs. Arthur Lyon & Co., Caxton House, Westminster, S.W.
1907.	BOULTBEE, HENRY ARTHUR	Holmlea, Western Avenue, Ashford,
	BOURNE, ERNEST SPENCER	Kent. Redcliffe, Heath Rd., Runcorn.
	Bousfield, Arthur Joseph {	Isle of Thanet Tramways Co., St.
	Bouts, Thomas	Peters, Broadstairs. 45 Gorst Road, Wandsworth Common, S.W.
1902.	Bow, John	Ferro Carril del Sud, Dept. de Via y Obras, Buenos Aires, Arg. Rep.
1901. G.)	Bowen, Charles William	6 Balfour Road, Acton, W.
1911.	Bowen, William	69 Prudential Bldgs., Park Row,
	Bower, Clifford Oakes {	Leeds. Wylam Lodge, Wylam, North- umberland.
1909.	Bowles, Charles William	State Engr., P.W.D., Patiala State, Patiala, Punjab, India.

	1901. G.)	BOWMAN, HABOLD EDELSTEN	Messrs. Stevensons', Canal Foundry,
	1907. A.M.	20 Water, Little 22 Library	Preston.
	1010		(Capt., R.G.A.), Right Half, No. 7
	1910.	Bowser, Howard Arthur	Siege Battery, R.G.A., British
			Expedy. Force.
	1900. G.)	Box, Wilfrid Leonard	Liverpool Overhead Rly., 31 James
	1903. A.M.		St., Liverpool.
	1906.	BOXER, Eng. Lieut. ARTHUR	c/o Messrs. Woodhead & Co., 44
	20001	CHICHESTER, R.N	Charing Cross, S.W.
			Supt. Eng., United Alkali Co.,
	1903.	Boyd, Hugh	Fleetwood, R.S.O., Lanca-
			shire.
	1900.	BOYD, WILLIAM	Woodlea, Chester Rd., Hartford,
	20001	2015, 112522	Northwich.
	1910.	Boys, Sidney James	Messrs. Henry Boys & Son, New Mills Works, Walsall.
	-0-01		
	1912.	Brabner, Frederic	c/o Messrs. Reuters Ltd., Moore
			St., Sydney, N.S.W.
	1914.	Brackenbury, Kenneth	Messrs. Guthrie and Co., 5 Whit-
		FABIAN	tington Avenue, E.C.
	1912.	BRAMELD, PHILLIP	(3 Manor Road, Itchen, South-
		,	(Cant ACC) No 9 Mobile Po
			(Capt., A.S.C.), No. 2 Mobile Repair Unit, M.T., 3rd Army,
	1914.	BRAMLEY-MOORE, SWINFEN	
		· ·	British Expeditionary Force, France.
	1903. G.)		
	1912. A.M.	Brand, William Deane	Shepewood House, Long Sutton, Winchfield.
	1012. A.M.)		(Inventors' Engineering Co., 149-
	1908.	BRAUN, HENRY CHARLES	153, 236-238 Pentonville Rd.,
	20001	HERBERT	King's Cross, N.
	1911. G.)	D	(21 Stanley Villas, Pinner, Middle-
	1915. A.M.	Bray, Herbert Paine	sex.
	1000	4.	Messrs. H. Simonis & Co., Cum-
Œ	1906. G.) 1913. A.M.)	BREMNER, ALLAN JAMES	berland Avenue, Park Royal,
	1919. A.M.)		N.W.
	1907.	Bremner, James, Jun	Caixa Postal 718, Boulevard da
	20011	Diministry vanish, value	Republica 52, Para, Brazil.
	1906.	BRIERLEY, HARRY HEATON	Messrs. Watney, Combe & Reid,
			The Brewery, Mortlake, S.W.
	1914.	BRIERLEY, NORMAN HOWORTH	(Cranham Holme, Upminster,
	1000	_	Waysida Chrisper Roman
	1902.	Briggs, Robert Alexander	Wayside, Shripney, Bognor.
	1911. G.)	BRIGGS, ROLAND HUNTER	Works Manager, Messrs. Grant Legros & Co., Grantype Works,
	1915. A.M.	DRIGGS, RODAND HUNTER	Dog Lane, Willesden, N.W.
		(BRINDLEY, HARRY SAMUEL	(3 Hurlingham Gardens, Hurling-
	1898.	BICKERTON	hám, S.W.
	1903. G.)	BRITTON, Captain EDWIN JOHN	(Glenholme, Staines Road, Twicken-
	1905. A.M.	JAMES, A.O.D	ham,
			(Works Manager, Zimma Works
	1915.	BRITTON, FRANK GUYVER	Ltd., Yokohama, Japan.
	1010	Proupower Hinne	(947 Huddersfield Rd., Scouthead,
	1910.	BROADBENT, HARRY	Oldham.
		_	Manager and Eng., Municipal
	1906.	BROADBENT, HERBERT	{ Electricity Undertaking, Perth,
			W. Australia.
	1910.	BROADBENT, LEONARD DALTON	The Grange, Wilmslow, Man-
		,	chester.

Date	- 0	TO:		
Dare	OI	Pol	ecu	on.

1911. G.) 1915. A.M.	BROADHURST, FRANCIS ARKLE	Stores Dept., G. I. P. Railway, Bombay.
	Brock, Herbert Josias	Cumberland House, Hide Road,
1914.	BROCKLEHURST, HERBERT CECIL	
1904. G.)		(101 Water St., Vancouver, British
1909. A.M.	Brockley, Carl Wilton	Columbia.
1905.	Brooke, Harry	(Engineer's Dept., Rochdale Canal Co., Rochdale.
1905. G.) 1911. A.M.)	Brookman, Otto James	Dronley, Woodside Park Road, North Finchley, N.
1909.	Brooks, Geoffrey	Old Umtali, Southern Rhodesia, S. Africa.
1903.	Brooks, John Frederick	Municipal Technical School, Leicester.
1914.	Brooksbank, Frank	Kinta Association Ltd., Tanjong Rambutan, Perak, F.M.S.
1911.	BROSCOMB, FREDERICK JAMES	The University, Birmingham.
1912,	Doggerman Eng	Humber Graving Dock & Engineer-
1012:	DROTHERTON, ERIC	ing Co., Immingham, Grimsby.
1909.	BROUGHALL, GEORGE	Chief Electl. Engr's. Office, L. & N. W. Rly., Euston, N.W.
1912.	BROUGHTON, ARTHUR CHARLES	Enmore, Demerara, British Guiana.
1904.	Broughton, Freeman	19 Pine Grove, Monton Green, Eccles.
, 1900. G.		The Hollies, Surrenden Road,
1910. A.M.	KINSON	Brighton.
1910.	Brown, Bernard Hardesty Brown, Bertram Hugh	Ulundi Rd., Johnstone. 26 Eastney Road, Portsmouth.
1912. 1901. G.)		Springhill, Gladstone Grove, Heaton
1903. A.M.	Brown, Charles Anderton	Moor, Stockport.
,		(Works Manager, New Gutta Percha
1914.	Brown, Charles Hall	Co., 52A Croom's Hill, Green-
		wich, S.E. (Messrs. Brown & Barlow, Westwood)
1908.	Brown, Clement	Rd., Witton, Birmingham.
1907. G.) 1915. A.M.	Brown, Ernest William	(Victoria Iron Works, Leighton Buzzard.
1910.	Brown, Francis Verrill	The Shanty, River St., South Perth, Western Australia.
1908.	Brown, Herbert	Woodlands, Jersey Marine, Briton
1000.	DEOWN, HERBERT	Messrs. D. and J. Tullis, 22 South-
1915.	Brown, James Elles	wark Bridge Road, S.E.
dodd		Genl. Manager, Lancashire Water
1911.	Brown, James Henry	Cooler Co., Glasshouse St., Regent Rd., Salford, Manchester.
1001		Messrs. Creed, Bille & Co., Tele-
1901.	Brown, John Pollock	graph Works, Croydon.
1908.	Brown, Robert Harry	Corporation Gas Works, Birkenhead. (James Watt Engineering Labora-
1911.	Brown, Robert Mackie	tories, The University, Glasgow.
1905.	Brown, Walter Lindahl	15 Eldon Square, Reading,
1913.	Brown, William Pringle	Engineering Dept., Carron Co., 15 Upper Thames St., E.C.
1910.	Browne, Alexander Fleming	1 House, How Diouce Do., 12.0.
1906.	Browne, Rolando Harry	La Compañia de Arauco, Coronel, Chile.

Date of Election	•	
1910.	Browning, George	Messrs. Millar & Allan, 11 Both- well St., Glasgow.
1907.	BRUCE, ARCHIBALD KAY	St. Ninians, Hatch End, S. O., Middx.
1908.	BRUCE, CHARLES WILLIAM	Res. Eng., Rohilkundand Kumaon Rly., Bareilly, U.P., India. Res. Eng., Buenos Aires and Pacific
1912.	BRUCE, DAVID COLVILLE	Rly., Puerto Galvan, Bahia Blanca, Arg. Rep.
1911.	BRUCE, FREDERICK THOMPSON	Govt. Workshop, Richmond Street, Port of Spain, Trinidad.
1898. G.) 1904. A.M.	BRUCE, JOHN GEORGE	F. C. de B. A. al Pacifico, Florida 783, Buenos Aires, Arg. Rep.
1907. G.)	BRUCKSHAW, HERBERT STAN-	(Messrs. J. Musgrave and Sons
1914. A.M.	LEY	(1913) Ltd., Bolton.
1914.	BRYCE, WILLIAM	General Manager, Titaghur Paper Mills Co., Titaghur, E.B.S. Rly., Bengal.
1914.	Buchanan, George	Gun Dept., Parkhead Forge and Rolling Mills, Glasgow.
1913.	BUCKLEY, CLIFFORD LAUD	36 Leopold Street, Spencer Pl., Leeds.
1908.	BUCKLEY, FRANK	H.H.Nizam's Guaranteed StateRly. Secunderabad, Deccan, India.
1905.	BUCKLEY, PHILIP	Britannia Rd., Morley, Leeds.
1905. G.)	BUCKTON, ERNEST JAMES	69 Hampton Rd., Forest Gate, E.
1911. A.M.	Doonton, Limited Valley	
1910. G.) 1914. A.M.	Bodden, Gareth Walton	126 Netherhall Gardens, South Hampstead, N.W.
1911.	Budge, John	Works Manager, Standard Motor Co., Foleshill Road, Coventry.
1903. G.) 1910. A.M.)		Motor Car Dept., G.W. Rly., Slough.
1912.	Bull, Charles Gaston	143 Boulevard de Charonne, Paris. (Hulton Colliery Co., Cronton Col-
1900.	Bull, Rowland Francis	liery, Whiston, Prescot.
1900.	BULL, THOMAS PALMER	Messrs. C. Nelson & Co., Stockton, Rugby.
1901. G.) 1911. A.M.	BULLEID, OLIVER VAUGHAN PUGH	Loco. Carr. and Wagon Dept., G.N. Rly., Doncaster.
1902.	BULLMORE, ALFRED WILLIAM ERNEST	Eng., First Garden City, Letch- worth, Herts.
1910.	BULLMORE, FREDERICK CHARLES	10 Stratton Place, Falmouth.
1907. G.) 1915. A.M.	BULLWINKLE, GEORGE ROYALL	76 Bethune Rd., Stoke Newington, N.
1914.	BULMER, GEORGE HENRY	The College, Marlborough.
1914.	Bumpus, Bernard Ebenezer	Bombay Electric Supply & Tramways Co., P.O. Box 192, Bombay.
1909. G. 1913. A.M.	Bumpus, Frank Arnold	2 Herrick Road, Loughborough.
1902.	BUNN, CHARLES WILLIAM	Charlemont, West Bromwich.
1911.	BURBUSH, GEORGE HARVEY	Bovril Estates Co., Santa Elena, Entre Rios, Arg. Rep.
1893.	BURDEN, ALFRED GEORGE	Messrs, Cammell Laird & Co.,
	DONDER, AMERED GEORGE	P.O. Box 665, Johannesburg, Transvaal.
1903. G.) 1912. A.M.)	BURDOCK, ARTHUR	(29 Windermere Avenue, Church End, Finchley, N.

Date	of	El	ecti	on.

1911. 1913.	A.M. BURGE, JAM	ES FRANK	Dist. Loco. Supt., Lancs. and Yorks. Rly., Wigan.
1903. 1910.	A.M.) BURGE, ROD	on Ludford	(Corporal, No. 95777), 2nd Field Co. R.E., Tramway Dept., British Expeditionary Force.
1908.	Burgess, Fr	EDERICK WILLIAM	(97 Molroca Avenue Rutherglen
1911.	Burgon, Fr	EDERICK HARRY	Messrs. W. S. Laycock, Millhouses, Sheffield.
1909	BURKE, THO	MAS NICHOLAS	Harbour Office, Belfast.
1914.	Burley, GE	ORGE WILLIAM	Applied Science Dept., The University, Sheffield. (Dept. of Mechanical Engineering,
1 914.	Burn, Geor	GE FRANCIS	Dept. of Mechanical Engineering, Central Technical School, Cook- ridge St., Leeds. [Former A.M. 1895–1904.]
1907.	BURN, LOUIS		9 Rosemont Villas, N. Finchley, N.
1903.	BURNAND, A	DGUSTUS HENRY	Messrs. Moonbeams, Royal Pier Gates, Southampton.
1890. 1895.	A.M. BURNE, EDW	ARD LANCASTER .	[14 Victoria St., Westminster, S.W. [Cloacalis, London. Westminster 5128.]
1897.	BURNSIDE, B	SERTRAM W	Loco. Dept., Burma Rlys., Insein, Burma.
1911.	1 25	RANCIS INGOLDSBY	39 University Road, Belfast.
1915.	BURNSIDE,	GEORGE BARN-	{104 Beechwood Drive, Broomhill, Glasgow.
1910.	BURNSIDE, G	ODFREY MASSY	Hotel Majestic, 158-160 Cromwell Road, S.W.
1909.	BURR, JAMES	WILLIAM	Electricity Works, Swansea.
1904.	BURT, Eng.	Sub-Lieut. John Edward, R.N	H.M.S. "Patuca," c/o Postmaster General, E.C.
1899.	BURT, THOM.	As Ross	Messrs. A. and T. Burt Ltd., Wellington, New Zealand.
1907.	Burton, Jan	ES HENRY	8 Willow Grove, Ingrow, Keighley.
1907.	Burton, Wa		Chief Eng., Car and Gen'l. Insurance Corpn., 83 Pall Mall, S.W.
1908.		BALD GEORGE	Bryn Asaph, Romilly Rd., Cardiff.
1904. 1911.	A.M. Bussey, Lio		65 Sandmere Road, Clapham, S.W.
1913.	BUTCHER, A	LEXANDER CRAN-	Dept. of Harbours and Lights, Fremantle, Western Australia.
1 915.	Витснев, Ап	FRED JAMES	B Squadron, 1st West Kent Yeo- manry, 1st South East Mounted Brigade, British Dardanelles Force,
1910.		MES DOUGLAS	Messrs. Siemens Brothers' Dynamo Works, Box 25, Kuala Lumpur, Selangor, F.M.S.
1891. 1898.	A.M. BUTCHER, W	ALTER EDWARD	British Thomson-Houston Co., 83 Cannon St., E.C.
1904.	BUTLER, GEO	DRGE HENRY	Docks Engineer's Office, Cumber- land Basin, Bristol.
1911. 1916.	A.M. BUTLER, JOH	N LAWRENCE	Aldersyde, Broomgrove Road, Sheffield.
1891. 1896.	G.) BUTTENSHAW A.M.) HOLME	, GEORGE ESK-	Lynbrook, 120 Wilbraham Rd., Chorlton-cum-Hardy, Man-
			chester.

Date of Election	1,	
1910.		Asiatic Petroleum Co., Hong Kong,
1911.	BUTTERWORTH, FRANK NESTLE	China. 51 The Common, Woolwich.
1902.	BUTTON, JOHN WILLIAM	Technical College, Huddersfield.
1905.	CABENA, RICHARD HANSON	120 Sydenham Rd. N., Croydon.
1913.	CABLE, GORDON PORTER	Mechanical Branch, Bombay Municipality, Bombay.
		Messrs. Harker, Cable & Co., 110
1910.	Cable, James William	Cannon St., E.C. [Ardroccy,
		[Corpn. Tramways, Wellington, New
1907.	Cable, Matthew	Zealand.
1908.	Cachemaille, Eugene Désiré	Wellington Harbour Board, Wellington, New Zealand.
1913.	CADMAN, WALTER JOHN	25 Cornwall Road, Bayswater, W.
1914.	CAIRNS, HUGH SLADE	(Indo-Burma Petroleum Co., Yen-
		angyaung, Burma. (Joint Managing Director, Messrs.
1900.	CALDERWOOD, WILLIAM	Palmer & Co., Stratford, E.; and
	/G T W	83 Hampton Rd., Forest Gate, E.
1911.	CALDWELL, JOHN MONTGOM-	Manager, Vacuum Oil Co., 6 Lyons Range, Calcutta.
1914.	CALDWELL, PETER SCOTT	10 Wood St., Dennistoun, Glasgow.
1914.	CALL, DONALD FERDINAND	124 Jesmond Avenue, Toller Lane, Bradford.
1913.	Carrie When the Carrie Williams	149 Shrewsbury St., Old Trafford,
	Callis, Frederick Thomas	Manchester.
1905.	CALVARD, FRANK	22 Granville Road, Stroud Green, N. (Wood View, Avondale Grove,
1911.	CALVERLEY, VINCENT	Shipley.
1902. G. 1905. A.M.	CAMARGO, JOHN ANTONIO DA ROCHA	(Messrs. Ramiro Leão & Co., Chiado, Lisbon, Portugal.
1912.	Correct Description	Fairfield, Bishops Rd., Whitchurch,
1912.	Cameron, Douglas Evan	Cardiff.
1913.	CAMERON, JOHN WELLS	Messrs. Hayward Tyler & Co., Luton.
1913.	CAMERON, THOMAS MITCHELL	Messrs. Alexander Findlay & Co.,
2010,	Cambion, Thomas military	Parkneuk Works, Motherwell. (Messrs. Escher Wyss & Co., Army
1911.	CAMPBELL, ALBERT JOHN	and Navy Mansions, 109 Victoria
	•	Street, Westminster, S.W.
4000	(CAMPBELL, ALEXANDER WIL-	Chatteris Engineering Works Co., 139-140 Gresham House, Old
1908.	LIAM	Broad St., E.C. [Pulsation,
	(Campura Warmer Warmer	London. London Wall 5898.]
1901.	CAMPBELL, ERNEST WATER-	Dolphin Foundry, Saynor Rd., Hunslet, Leeds.
1910.	CAMPBELL, JAMES ALEXANDER	Powfoot Golf Hotel, Annan.
1911.	Campbell, James William-	Royal Technical College, Glasgow.
1912.	CAMPBELL, JOHN DONALD	Ganges Jute Mills, Seebpore, How-
		rah, India. Supt. Eng., Messrs. Mackenzie &
1910.	CAMPBELL, KENNETH WILLIAM	Co., Shanghai, China.

1916.	ASSOCIATE MEM	BERS. 125
Date of Election.		
1910.	Guerran Town	Municipal School of Technology,
1910.	Campion, John	Manchester.
1911.	CANDLER, ARTHUR VAN BUREN	Room 1171, 50 Church Street, New York, United States.
1904.	Cannon, Reginald	P.O. Box 4746, Johannesburg, Transvaal.
1906. G. 1911. A.M.	CAPE, ASHBY	Lallkhira Tea Estate, Chandkhira P.O., Sylhet, India.
1911.	CAPSTICK, RICHARD	7 Willowdale Road, Mossley Hill, Liverpool. Dist. Loco. Supt., Oudh and Ro-
1913.	CARDEW, DAVID	hilkhand State Rly., Moradabad, U.P., India. Deputy Supt. of Machinery, Cal-
1911.	CARNALL, ALFRED	cutta Port Commissioners' Dock- yard, 8 Garden Reach Road, Kidderpore, India.
1908.	CARNE, HENRY	Waterworks Eng., Biggleswade Water Board, Biggleswade.
1912.	CARNEGIE, EBENEZER	Electric Steel & Metals Co., Welland, Ont., Canada.
1908.	Carosio, Giovanni (Life Associate Member)	General Manager, Compañia In- dustrial, Calle Belgrano 432, Buenos Aires, Arg. Rep.
1913.	CARPENTER, HERBERT	32 Holmbury View, Upper Clapton,
1904.	{CARR, CHRISTOPHER RALPH} (Life Associate Member)	85 Kirkstall Rd., Leeds.
1900.	CARR, HARRY OSWALD	Wandsworth and Putney Gas Light and Coke Co., North St., Wands- worth, S.W.
1898.	CARR, JAMES JOHN WILLIAM	Woodland Works, Grove Lane, Smethwick, Birmingham, [Bells, Smethwick. 2018.]
1915.	CARRATT, ARTHUR JAMES	Messrs. Galloways, Knott Mill Iron Works, Manchester.
1903. G.) 1908. A.M.)		P.W.D., Lagos, S. Nigeria.
1902. G.	CARRICK, JOSEPH ERNEST	(N.E. Rly., North Road Station,
1910. A.M., 1900.		Darlington.
1900.	CARSTAIRS, GILBERT LANGLOIS CARTER, ALFRED ERNEST	10 Eastwood Rd., Goodmayes, Ilford. Engineering Dept., Mining and Technical College, Wigan.
1914.	CARTER, ASHLEY	12 Priory Close, Ruislip Manor,
1908.	CARTER, EVERSHED	\ Uxbridge. \ South Lawn, St. Paul Street, \ Stamford.
1901.	CARTER, FRANK	15 Edenhurst Rd., Mile End Lane,
1908.	Carrier Flores	Stockport. Grey Friars, St. Pauls Rd., Stamford.
1906.	CARTER, HAROLD HERBERT	12 Nutfield Gardens, Thornton
1905,	CARTER, HENRY CHARLES	Heath, Surrey. Shenstone, Recreation Rd., Tile-
1904.		hurst, Reading. Chief Eng., The New Explosives
	CARTER, JOHN ARTHUR	Co., Stowmarket.
1906.	CARTER, WALTER	Netherfield, Totley, Sheffield.

Monk-69 Buchanan St., Glasgow.

CARTER, WALTER .. (CARTMELL, JOHN HOUSE

1901.

1005 (1)	G	,
1905. G.) 1913. A.M.	CARTWRIGHT, AUBREY CHARLES MATTHEWS	El Teb, Passara, Ceylon.
1913.	CARTWRIGHT, WILLIAM, Jun.	Messrs. William Heap and Co., Oldham Road Tool Works, Ashton-under-Lyne.
1913.	CARY, ALBERT AMESBURY	Eng., Hulton Colliery Co., Chequer-
	Casson, Robert	bent, Bolton. 39 Larch Street, Southport.
4010	CASTER, GEORGE	Infirmary Arches, Minster Pre-
	CASTLE, FRANK	Cincts, Peterborough. Oudtshoorn, Cape Colony.
1894. (f.)	CATER, JOHN MCILVAINE	27 Clement's Lane, E.C. [Inbrake, London. Central 5735.]
1900.	CATMUR, THOMAS STUCLEY	The Rookery, London Rd., Brom- ley, Kent.
1910.	CATON, WILLIAM EAMES	Derby Gas Light and Coke Co., Friar Gate, Derby.
1911.	CATTELL, WALTER HILL GALPIN	Mech. Engineering Dept., Royal Arsenal, Woolwich.
1912.	Cave-Browne-Cave, Squadron Commr. Thomas Reginald, R.N.	Kingsnorth Naval Airship Station, Hoo, Rochester.
1905. G.) 1906. A.M.	CHADWICK, GEORGE HERBERT	Loco. Works Manager, Peruvian Central Rly., Lima, Peru.
, ,	CHADWICK, ROBERT JOSEPH	Milton Terrace, Napier, Hawke's
1895.	MONTAGUE CHALLENGER, GODFREY RICHARD	Messrs. John Jameson & Son, Bow St. Distillery, Dublin. General Manager, Shrewsbury &
1910.	CHALLINER, CHARLES SMITH	Challiner Tyre Co., Kay Street, Ardwick Green, Man- chester.
1910.	CHALLONER, FRANK BICKER-	Maybell Avenue, Blackpool.
1912.	CHALMERS, ALEXANDER SPENCE	Overtoun Institution, Livingstonia, Nyasaland.
1910.	CHALMERS, JOHN REID	53 Meadowpark St., Dennistoun, Glasgow.
1910.	CHALMERS, THOMAS WIGHT-	33 Norfolk St., Strand, W.C.
1914.	CHAMBERLAIN, HORACE	Manager, Corporation Gas Dept., Stanley St., Workington.
1902. G. 1905. A.M.	CHAMBERS, EDWARD HAWARD	Farcroft, Aberdovey, Merioneth.
1911.	CHAMPION, GEORGE THOMAS	Messrs. Veritys, 26 Eldon Square, Newcastle-on-Tyne.
1911.	CHANCE, CLINTON FREDERICK	Messrs. Chance and Hunt, Oldbury,
100=	CHANDLER, FRANK ASHTON	Birmingham. Leon Plaut, Kostroma, Russia.
1902,	CHANNON, PHILIP PERCIVAL	Eng., Haywards Heath District Gas Co., Mill Green Rd., Hay- wards Heath.
1911.	CHAPMAN, Eng. Lieut. D'ARCY MITCHEL, R.N	Riverside House, Sunbury-on- Thames, Middx. (Westminster Electric Supply
1907.	CHAPMAN, EDWIN	Corpn., Horseferry Rd. Central Stn., Westminster, S.W.
1913.	CHAPMAN, HORACE WILLIAM	15 Stag Lane, Edgware, Middle- sex.

	Date of	FIECEION	•	
	1 913.		CHAPMAN, JAMES FRASER	{7 Cedar Street, Hopwood Lane, Halifax.
	1899.		CHAPMAN, SAMUEL	5 Carr St., Blackfriars St., Man- chester.
	1907.		CHARLTON, HENRY JOHNSON	District Carr. & Wagon Superintendent, North Western Rly., Lahore, India.
	1903.		{CHARNOCK, CLEMENT JOSEPH (Life Associate Member)	55 Malaya Ordinka, Moscow, Russia.
	1904.		CHARNOCK, HARRY HORSFIELD	Moscow, Russia.
	1911.		Charnock, John Edmund	Weyside Engineering Works, Farn- ham Rd., Guildford.
	1902. 1907.	G.) A.M.)	CHATFIELD, KYRLE RUDSTON	Junior Carlton Club, Pall Mall, S.W.
	1910.		Chaviara, John Nicholas	Scottish Provident Bldgs., 25 Castle St., Liverpool.
Q	1903. 1911.	G.)	CHEESEMAN, ALFRED BRYSON EAST	
	1909.	G.) A.M.)	CHETTLE, NORMAN	Messrs. Jessop and Co., 93 Clive Street, Calcutta.
	1908. 1911.	G.	CHILD, HERBERT WILLIAM	66 Derby Road, Ponders End, Middlesex.
	1903.		CHILD, JOHN	93 South Park Drive, Seven Kings, Ilford.
	1904. 1906.	G.)	CHILD, PERCY DOUGLAS	6 Caxton Gardens, Guildford.
	1910.		CHIPPERFIELD, WALTER	Works Manager, Messrs. Roneo, Roneo Works, Romford.
	1908.		CHIVERS, FRANCIS ERIC	Messrs. Baldwins, Elba Steel Works, Gowerton, Glam.
	1903.		CHIVERS, FRANK EVANS	Beberibe Water Works, Pernambuco, Brazil.
	1900.		CHORLEY, RICHARD	Technical School, Stockport.
	1912.		CHOWNA, PALLONJI DADABHOY	(Messrs. Drewet, Chowna & Co., 212) Church Gate St., Bombay.
	1910.		CHRISTIAN, EDWARD ALAN	Mersey Rly. Co., Central Station, Birkenhead.
	1903.		CHRISTIANSEN, ADOLPH GOTH-	Bombay Municipality, De Lisle Rd., Chinchpokli, Bombay.
	1904.		CHRISTMAS, EDWIN BOSSWARD	Sharrow Head House, Cemetery Road, Sheffield.
	1900. 1906.	A.M.}	CHUBB, HARRY EMORY	50 Upper George Street, Bryanston Square, W.
	1904. 1906.	G.)	CHUTE, MERVYN LYDE	London Traffic Branch, Board of Trade; and Sudbury Farm House, near Harrow.
	1905. 1906.		CLACHER, THOMAS CLAPHAM, JOHN PEELE	50 Valentines Rd., Ilford. Auldsteds, Emm Lane, Bradford.
	1900 1905.		CLAPHAM, THOMAS ALBORN	Wellington Foundry, Keighley.
	1896.		CLARE, ERNEST	Fernside, Seymour Road, Hampton
	1913.		CLARE, GEORGE ERNEST	Wick. 52 Russell Road, Wimbledon, S.W.
	1908.		CLARK, ALBERT BERNARD	4652 Woodlawn Avenue, Chicago, Ill., U.S.
	1909.		CLARK, ALEXANDER GRAHAM	(Capt., R.F.C.), War Office, 13 Albemarle Street, W.

Data	of	Hills.	octi	OFF

Date of Electro	л.	
1910.	CLARK, ARTHUR	Rothesay, Colney Hatch Lane, New Southgate, N.
1909.	CLARK, FRANK WILLIAM {	Messrs. Gibbons Bros., 142 Palace Chambers, Westminster, S.W.
1905.	CLARK, HERBERT ADE	Northern Polytechnic, Holloway Rd., N.
1902. G 1903. A.M	CLARK, HUBERT CHARLES	93 Holyhead Road, Coventry.
1913.	CLARK, JAMES JOHN	Engineering Laboratories, The University, Liverpool.
1894.	CLARK, JAMES LESTER .:	(255 Cromwell Road, Kensington, S.W.
1909.	CLARK, ROBERT	Stirling Boiler Co., 54 Victoria St., Westminster, S.W.
1902. G 1906. A.M	CLARK, ROBERT GEORGE	28 Kimberley Rd., Roath Park, Cardiff.
1908. G 1914. A.M	CLARKE, Eng. Lieut. GEORGE DULESTON, R.C.N.	H.M.S. "Sutlej," c/o Postmaster General, E.C.
1910.	CLARKE, HENRY	9 Queen's Gate, Chorley New Rd., Bolton.
1909.	CLARKE, JAMES THOMAS	3 York Street, Manchester.
		Merton Avenue, St. Lambert,
1911.	CLARKE, JOHN EDWARD	Quebec, Canada.
1915.	CLARKE, JOHN THOMAS	Messrs. G. Stevenson (Kent and Sussex Garage), London Road, Tunbridge Wells.
1906.	CLARKE, THOMAS	Works Manager, Messrs. Isaac Andrews & Sons, Belfast Mills, Belfast.
1905.	CLARKSON, SYDNEY SAMUEL	4 Whitworth Terrace, Wilmslow Road, Rusholme, Manchester.
1908.	CLABESON, WILLIAM ALAN	Sub-Inspeccion de Faros, Punta Arenas, Magallanes, Chile.
1895.	CLATWORTHY, WALTER AN-	40 Sanderson Rd., Newcastle-on- Tyne.
1904.	CLAXTON, HAROLD	P.W.D., Khartoum, Sudan, Egypt.
1908.	CLAYDEN, HAROLD WILLIAM	General Mining and Finance Corpn., P.O. Box 1242, Johannes- burg, Transvaal.
1905.	CLAYTON, CHARLES HENRY JAMES	Board of Agriculture and Fisheries, 3 St. James' Sq., Pall Mall, S.W.
1902.	CLAYTON, MELVILLE GRAHAM	F. E. Adams Pressure Tool Co., Beaufort Road, Birkenhead. [Pressure, Birkenhead. 289.]
1914.	CLAYTON, THOMAS	Rio Tinto, Los Talleres, Huelva, Spain.
1904.	CLEGG, ROBERT INGHAM	410 Caxton Bldg., Cleveland, Ohio, U.S.
1910.	CLEGG, THOMPSON	Messrs. A. Guinness, Son & Co., St. James' Gate Brewery, Dublin.
1908.	CLEGHORNE, WILLIAM SHAW HAMILTON	
1905.	G.) CLENCH, EDWARD CLAUDE	
1911. A.	M.) SHAKESPEARE	1 C O 3/2331
C 1892. 1901. A.	G. CLEVERLY, WILLIAM BAR-	Stourbridge Water Works, Coal-
	1	

1001 (1)		
1901. G.) 1906. A.M.)		3 Merton Road, Bootle, Liverpool.
1913.	CLIFFE, WALTON	Technical Institute, Cleckheaton.
1911.	Clunas, James Wilson Stuart	Station Supt., Corpn. Electric Works, Dock Road, Cape Town, Cape Colony.
1907. G.)	CLUTTERBUCK, HERBERT)	, -
1915. A.M.		44 Palace Grove, Bromley, Kent.
1905.	COATES, ALBERT FREDERICK	Engineer's Dept., Imperial Tobacco Co., Bristol.
1912.	COATES, JOHN	182 Hyndland Road, Glasgow.
1906.	COCHRANE, JAMES	Engineer's Office, Docks, Cape Town, Cape Colony.
1911.	Соск, Вел	Works Manager, Messrs. Holman Brothers, Camborne.
1909.	COCKBURN, GEORGE WILFRID	Works Supt., Yangtse Engineering Works, Seven Mile Creek, Han-
1912.	COCKCROFT, ERNEST EGBERT	kow, China. 90 Victoria Road, Stretford, Man-
2012		chester. Engineer's Office, Bradford Corpn.
1912.	CODLING, JOHN HENRY	Sewage Works, Esholt Hall, N. Shipley.
1910.	COLBOURNE, JAMES, Jun	158 West 73rd Street, New York,
1901.	COLBOURNE, THOMAS SALMON	U.S. Alexandra Foundry, Barnstaple.
1914.	Cole, ARTHUR WILLIAM JOHN	Messrs. Bowes Scott and Western, Broadway Chambers, West-
		minster, S.W. (Woodland Cottage, Chelsfield,
1910.	COLE, CHARLES EBIC	Orpington, Kent.
1907. G.) 1913. A.M.)		2 Havelock Square, Sheffield.
1911.	Cole, Hugh	Messrs. Nicoll and Son, 1, 3 and 5 Ward Road, Dundee.
		Messrs. G. Hopkins & Sons (Clerk-
1906.	Cole, James Matthew	enwell) Ltd., 52 Holloway Road. N.
1905.	COLE, WILLIAM LAWES	Messrs. W. & L. Cole, Lawton Rd., Mile End, E.
1904.	Coleridge, Henry Hill	10 St. Barnabas Street, Pimlico Road, S.W.
1908.	Coley, Ernest	Messrs. Royce, Ltd., Trafford Park, Manchester.
1909.	Colledge, Alexander	Messrs. McAlister & Co., Ipoh, Federated Malay States.
1914.	Collier, John Fred	King Edward Street Foundry, Macclesfield.
1910.	Collinge, John	Salford Corpn. Generating Station, Frederick Rd., Pendleton, Man-
		chester.
1912.	Collingham, Edwin Basil	Messrs. Collingham and Owen, Humber Road Works, Beeston, Nottingham.
1910.	COLLINGRIDGE, WILLIAM BYENE	4 Langham Place, Northampton.
	,	(Westminster Electric Supply
1907.	Collingwood, Alfred	Corpn., Eccleston Place, Eccleston St., Belgravia, S.W.

G	1907. G.) 1911. A.M.)	Collins, Claude Augustus	4 Mayfair Gdns., The Avenue, Loughton, Essex.
	1911.	Collinson, Alfred Ernest	Houghton-on-the-Hill, Leicester- shire.
	1910.	COLLINSON, FRANCIS EDWARD	Box 256, Transcona, Manitoba, Canada.
	1902.	COLLYER, PERCY NICHOLSON	Messrs. Albright & Wilson, Old- bury, Birmingham.
	1909.	Colson, John St. Clair	The Piccadilly Hotel, Regent St., W.
	1903.	COLTMAN, WALTER WILLIAM	Central Boiler Wks., Loughborough. [Boilers, Loughborough. 51.]
	1896.	COMERFORD, EDWARD	Ardavon, Rathdrum, Co. Wicklow.
	1895. G.) 1897. A.M.)	CONNELL, WILLIAM PERCIVAL	29 Sheep St., Devizes.
	1906.	CONRADI, CHARLES GUTHRIE	Loco. Dept., Mid. Rly., Derby.
	1913.	CONSTANTINE, WILLIAM WIND-	Messrs. D. Napier & Sons, Acton Vale, W.
	1912.	CONYNGHAM, ERNEST KNOX	40 Waterloo Road, Dublin.
	1000		General Manager, Messrs. James
	1908.	Cook, George Henry	Walker & Co., Lion Works, Gar- ford St., Poplar, E.
	1908.	Cook, HERBERT MAURICE	Cook's Motor Engineering Works,
	1913.	COOK, SYDNEY HERBERT	Brighton Rd., Horsham. 17 University Rd., Bootle, Liverpool.
	1908. G.)	Constant Language	Westminster Electric Power Cor-
	1915. A.M.	Cooke, Alfred Lewis	poration, Davies St. Statn., Berkeley Sq., W.
	1903.	COOKE, FREDERICK WILLIAM	Trereife, 82 Park Rd., Rugby.
		COOKE, Eng. LieutCommr.	H.M.S "Cornwallis," c/o Post-
	1906. A.M.)	STANLEY WALTER, R.N COOKSLEY, ALFRED	master General, E.C. 5 Milton Road, Highgate, N.
		Cookson, Frederick Ran-	(Dock Engineer's Dept., North
	1912.	DOLPH CECIL	Eastern Railway, Dock Office, Hull.
	1914.	Cooling, John William	St. Newitts, Ashley Road, Farn- borough Park, Hants.
	1903.	Coombes, Thomas	Manager, Messrs. Harding, Market St., Torquay.
	1906. G.)	COOPER, ALBERT GEORGE	Chief Res. Eng., G. W. of Brazil
	1910. A.M.	WARNER INERD	Rly., Pernambuco, Brazil.
	1904.	COOPER, ARTHUR	Manila Rly. Co., Manila, Philippine Islands.
	1915.	COOPER, GEORGE CECIL	Messrs. Robert Boby Ltd., 37 Mark Lane, E.C.
	1907.	COOPER, HARRY CLAUDE {	Office of the Lighthouse Engineer, Docks, Cape Town, Cape Colony.
	1910. G.)	Cooper, John Lowry Hone	Dist. Electrical Engineer's Office,
	(G.C. Rly., Immingham, Grimsby. Geo Messrs. Thos. Cook & Son,
	1905.	WILLIAM	Ludgate Circus, E.C.
	1907.	COOPER, VERNON	Galena Signal Oil Co., Calle 25 de Mayo 158, Buenos Aires, Arg. Rep.
	1001	G	British Engine, Boiler and Elec-
	1901.	COOPER, WILLIAM JAMES	trical Insce. Co., 24 Fennel St., Manchester.
	1908. G.) 1912. A.M.)	COPPING, GILBERT LLOYD	Chief Eng., Blackman Export Co., Blackman House, 374 Euston
	1012. A.III.)		Rd., N.W.

Date of Election	•	
1911.	COPSEY, WILLIAM ALBON BECK-	{25 Risebridge Road, Gidea Park, Essex.
1910.	CORNS, SAMUEL WILLIAM	Metropolitan Rly., Neasden Works, Neasden, N.W.
1899.	CORRIE, JOHN BRADFORD	15 Victoria St., Westminster, S.W. [Correlate, London. Gerrard 3400.]
1903.	COSTER, WILLIAM WALLACE	Metrop. Board of Water Supply & Sewerage, 341 Pitt St., Sydney, N.S.W.
1902.	COTSWORTH, HALDANE GWILT	Mining and District Technical College, Wigan.
1901.	Couch, Richard Ernest	Finsbury Pavement House, E.C.
1902.	COUESLANT, LEOPOLD DANIEL	The Technical College, Sunder-
		Centl. Ldn. Rly., Electric Rly.
1000	Conseque House	House, Broadway, Westminster,
1902.	Coulson, Hobace Ernest	S.W.; and 238 Wandsworth Bridge Rd., Fulham, S.W.
1000	(Coulson, Richard Hedley	(Sir B. Samuelson & Co., Newport
1908.	ARCHER	Iron Works, Middlesbrough.
1904	COULTON, IVOR BERTIE	Fabrica Colon, Entre Rios, Arg. Rep.
1913.	COURT, NORMAN	Budla Beta Tea Estate, Doom Dooma P.O., Assam, India.
1905.	COUTTS, DAVID ALEXANDER	94 Queen's Road, Aberdeen.
1913.	COVE, ERNEST EDWARD	(Govt. School of Handierafts,
2020.	ALFRED	Nagpur, C.P., India.
1894.	COVENTRY, THEODORE	Gresley Iron Works, Ordsal Lane, Salford, Manchester. [Gresley, Manchester. 564.]
1900. G.) 1903. A.M.	Cowcher, George	Cromer, Tuffley Avenue, Glou-
1909.	COWELL, RICHARD ARTHUR	British Westinghouse Co., Trafford Park, Manchester.
1906. G. 1910. A.M.	Cowie, John Robert	3 Midlothian Drive, Shawlands, Glasgow.
1914.	COWLEY, HERBERT WILLIAM	Managing Director, Messrs. H. W. Cowley & Co., Bella St. Iron Works, Daubhill, Bolton.
1905.	COWLEICK, FRANCIS GERMAN	Messrs. Babcock & Wilcox, Apar- tado 379, Madrid, Spain.
1902. G.)	Cox, Lionel Maidstone)	
1905. A.M.	RUSSELL	13 Whithall Road, Rugby.
1907.	COX, MARTIN	c/o Baron L. Knoop, Machinery Dept., Ilinsky Vorota, Moscow, Russia.
1910.	Cox, Reginald Charles	86 Kenilworth Avenue, Wimbledon, S.W.
1913.	Cox, William Tom	Dist. Eng., Govt. Factory, P.W.D., Colombo, Ceylon.
1910.	COYLE, JOSEPH WESTON	Farringford, Capel Road, East Barnet, Herts.
1911.	CRABB, THOMAS	Johnstone Lodge, Stonehaven.
1912.	CRABTREE, WILFRID SMART	(41 Lavington Rd., West Ealing, W.
1912.	CRAGG, WILLIAM OLIVER {	Chief Eng., British Xylonite Co., Brantham, Manningtree. Linde British Refrigeration Co.,
1912.	CRAIG, ROBERT GORDON	138 Balliaghatta Rd., Calcutta, India.

Date of Election	•	
1912.	ORAIG, WESLEY	Springfield, Muslin Street, Newton, Hyde.
1905. G.) 1910. A.M.)	CRANSWICK, CHARLES TENNY-	Field House, Hunmanby, Yorks.
1914.	CRATES, WILLIAM HENRY	Managing Eng., Eastern Counties Farmers' Assocn., 86 Princes St.,
1911.	CRAVEN, ARTHUR DOUGLAS	Leeds Forge Co., Leeds.
1914.	CRAVEN, GEORGE FREDERICK	General Manager, Corporation Tramways, Mill Lane, Reading.
1905.	CRAVEN, JOHN ERNEST HOLDS-	Messrs. Rudman, Lancey & Craven, St. James' Works, Taunton.
1908.	CRAWFORD, JAMES FORRESTER	37 Castlebar Rd., Ealing, W.
1907.	CREASY, HAROLD THOMAS	Public Works Dept., Colombo, Ceylon.
1911.	CREFFIELD, THOMAS ROWLAND	2 Perry Rise, Forest Hill, S.E.
1904.	CREIGHTON, HENRY	46 Ella Street, Leeds. (Ingleside, Malvern Wells, Mal-
1904.	CREW, MALCOLM HILLIER	vern. (Netley Castle, Netley Abbey,
1913.	CRICHTON, JOHN ARTHUR	Southampton.
1908.	CRIDLAN, JOHN LIONEL	Burvale, Rickmansworth Road, Watford.
1909.	CRIGGAL, JOHN EDWARD	16 Cavendish Rd., New Brighton, Birkenhead.
1915.	CRITCHLEY, HERBERT LAWSON	Strand Imperial Hotel, 143 Strand, W.C.
1907.	CROASDELL, JAMES FREDERICK	66 Heavitree Road, Plumstead.
1901. G. 1904. A.M.	CROFT, FRANK	Messrs. Crofts (Engineers) Ltd., Thornbury, Bradford. [Crofters,
1304. A.M.)		Bradford. 4901.] 77 Windsor Terrace, Gosforth,
1913.	CROMPTON, WALTER ERNEST	Newcastle-on-Tyne.
1912.	CRONK, NORMAN TYLEE	\$804 Grovenor Avenue, Montreal, Canada.
1914.	CROOK, HERBÉRT CHARLES	Ashmere, Obelisk Rd., Woolston, Southampton.
1908.	CROOKES, JAMES HARDIE	Messrs. Crookes, Roberts & Co., Argus Works, Sheffield.
1905.	CROSIER, EDWARD JAMES	2 Collingwood St., Newcastle-on- Tyne; and East Boldon, by
		Newcastle-on-Tyne. (Boro' Electrical Eng., Electricity
1905.	Cross, Edward	Works, Rawmarsh Rd., Rother-
1005	(CROSS, REGINALD THOMAS	ham. (Ruthna T.E., Juri P.O., A.B. Rail-
1905.	GREEN	way, Sylhet, India.
1904.	Crossley, John	Ripley House, Frederick Road, Gravelly Hill, Birmingham.
1907.	CROSSMAN, JAMES EDDY	
1914.	CROSTHWAIT, JOHN LEES	7 Vergemount, Clonskea, Dublin. (Works Mgr., Talleres V. y O.,
1914.	Crow, Alexander	Santos Lugares, F. C. B. A. P., Buenos Aires, Arg. Rep.
1903.	CROWTHER, HARRY	Res. Mech. Eng., Water Works, Pembury, Tunbridge Wells.
1911.	CROWTHER, LYONS JOHN	Supt., Corpn. Water Works, North- field, Birmingham.
		, and the same of

1914.	CROWTHER, RICHARD HENRY JAMES	Chief Eng., Messrs. William Bliss & Son, Chipping Norton.
1902.	CRUDDAS, WILLIAM JOHN	Messrs. A. Goerz & Co., P.O. Box 1156, Johannesburg, Transvaal.
1909.	CRUICKSHANK, ANDREW	City & Guilds (Engineering) College, Exhibition Road, S.W.
1910.	CRUICKSHANK, FRED GEORGE WHYTE	72 Devonshire St., Higher Broughton, Manchester.
1899. 1900.	G.) CRUICKSHANK, GEORGE SEY-	Peking Electric Co., Peking, North China.
1915.	CRUMP, ARTHUR BERNARD	(Lieut.), South African Heavy Artillery, Bexhill-on-Sea.
1909.	Cull, John Ernest Lelliott	Public Works Dept., Wellington, New Zealand.
1911.	CULLEN, JAMES	Ramchand Hardeodass Cotton Spin- ining Mills, Hathras, U.P., India.
1907. 1913.	A.M. CULLY, WILLIAM FREDERICK	Mechanical Engineering Dept., Royal Arsenal, Woolwich.
1901.	CUMMINS, REGINALD ERNEST	54 Leinster Sq., Bayswater, W.
1907. 1910.	A.M. CUNLIFFE, WILLIAM WHITMORE	Messrs. Hughes and Lancaster, Ruabon.
1908.	CUNY, TERENCE	Chief Engr's. Office, G.I.P. Rly., Victoria Terminus, Bombay.
1914.	CURRAN, EDWARD	Messrs. Curran Brothers, 72 Bute St., Cardiff.
1911.	CURRY, MATTHEW HAROLD	5 Kings Gardens, Hove, Brighton.
1903.	Curtis, Ivor, R.N	Harscott, Westcombe Park Rd., Blackheath, S.E.
1895.	CUST, LEOPOLD	Springfield, Hawkhurst.
1912.	CUTHBERT, FRED	Gray Bank House, Glasgow Road, Perth.
1907.	CUTHBERT, HAROLD PARKER	Greville, Warwick Rd., Olton, Birmingham.
1908.	CUTTELL, JOHN HUBERT	(c/o J. F. Sergeant, Solicitor, Wokingham.

1902.	DABELL, ALEXANDER FRANK	Kaya, Kuban Province, S. Russia.
1908.	DADABHOY, HORMASJEE RAT-	Glenridge, Ridge Road, Bombay.
1913.	Dadswell, John	(Managing Director, Fosters East Grinstead, Ltd., 24 Chequer Rd., East Grinstead.
1905.	Dalby, William Ernest	Loco. Dept., G.N. Rly., Ardsley, Wakefield.
1910.		Rasidpur P.O., A. B. Rly., India.
1912.	DALE, JOHN STANLEY	Grimshaw Street Foundry, Preston.
1909.	Dale, Robert Davidson	Diffunguatu.
1914.	DALL, HAROLD DAVID	Messrs. Willans and Robinson, Victoria Works, Rugby.
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Date of Election	•	
1912.	DAMANT, ALFRED CHARLES CLAUDE	Loco. Works, Great Eastern Rly., Stratford, E.
1910.	D. severe Tours	Mount Pleasant Rd., Camborne.
1904.	DANIEL, WILLIAM HENRY	Medway Steel Co., Rochester.
1907. G.)		65 Kenilworth Avenue, Wimbledon
1912. A.M.)	Daniels, Wilfrid	Park, S.W.
1903.	DARBY, ARTHUR ERNEST	Borough Eng., Town Hall, Cambridge Rd., Bethnal Green, N.E.
1914.	DARK, DANIEL EDWARD	8 Empress Parade, South Chingford, Essex.
1900.	Darker, Alfred Henry	Messrs. J. Stone & Co., Deptford, S.E.
1908.	DARLING, HENRY	Guildhall, Oswestry.
1904.	DAVENPORT, JOHN ALFRED	13 Harrington St., Liverpool.
1909.	DAVID, GEORGE CARMICHAEL	43 Albany Terrace, Dundee.
		(Messrs. Browett, Lindley & Co.,
1898. G.)	Davidson, John	
1901. A.M.	DAVIDSON, SORIA	Patricroft, Manchester; and Westleigh, Devonshire Road,
		Pendleton, Manchester.
1909.	DAVIDSON, ROBERT RAMSAY	Anglo-Persian Oil Co., Mohamme-
1000.	DAVIDSON, INCOMENT INAMESAT	rah, Persian Gulf.
1903.	DAVIE, JAMES PATERSON	514 Dialstone Lane, Stepping Hill,
	D There are a second sec	Stockport.
1912.	DAVIES, BERTIE TREVOR	87 Middleton Place, Loughborough.
1903. G.)	DAVIES, CYRIL ERNEST	26 Park Road, Moseley, Birming-
1907. A.M.		\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
1913.	Davies, Francis David	Brazil.
1901.	DAVIES, FRANCIS EDWARD	60 Schubert Rd., Oakhill Rd., East
1901.	DAVIES, FRANCIS EDWARD	Putney, S.W.
1912.	Davies, James Samuel	18 Hillside Terrace, Gelli, Pentre,
1012	DAVIES, JAMES SAMUEL	Rhondda, Glam.
1905. G.)	D = ==	St. John del Rey Mining Co.,
1911. A.M.	DAVIES, JOHN ERNEST	Morro Velho, Villa Nova de
		Lima, Minas, Brazil.
1915.	DAVIES, OSWALD BERTRAM	Works Manager, Messrs. Maiden's,
		Hyde.
1913.	DAVIES, VICTOR CHARLES	South Western Polytechnic, Man-
		resa Rd., Chelsea, S.W. Castle Mills, Strand, Swansea.
1904.	DAVIES, WILLIAM DAVID	[Central 570.]
	DAVIS, CHARLES RICHARD	(Messrs. Reunert & Lenz, P.O. Box
1903.	Clare a name manual	92, Johannesburg, Transvaal.
1903. G.)		(Locomotoras, Pergamino, F.C.B.A.
1909. A.M.	Davis, Frank	& R., Argentine Republic.
1899. G.)	D H G	Molassine Co., Tunnel Avenue, East
1900. A.M.	Davis, Harry Charles	Greenwich, S.E.
1908.	DAVIS, THOMAS JESSOP	St. John's Iron Works, Ennis- corthy.
1909.	Davison, Ernest Gray	Waveney Drive, Lowestoft.
1901 G)		(42 Lansdowne Crescent, Notting
1909. A.M.	DAVSON, CYRIL WERE	Hill, W.
	DANK COLIN	Messrs. P. R. Jackson & Co., Sal-
1914.	DAVY, COLIN	ford Rolling Mills, Manchester.
1902.	DAWBARN, REGINALD PROCTOR	The Union Club, Mendoza, Argen-
LUUA,	Zavidani, rendinand i Roctor	tine Republic.
1906.	DAWE, PHILIP HENRY	Northwood, Wisborough Green,
		Billinghurst, Sussex.
1910.	Dawson, Henby de Broca	Elmbank, Teignmouth.

Messrs. Dawson & Manfield, Lloyds Bank Bidgs. King St., Manchester. [Axiom, Manchester. City 3984.]			(35 T) 0 35 0 11
Manchester. [Axiom, Manchester. City 3984.] 1910. DAWSON, RALPH CURREY 1911. {DAWSON, SAMUEL HORACE Cold Messers. Jessop & Co., The Club, Delhi, India. Messers. Ruston, Proctor and Co., Sheaf Iron Works, Lincoln. Dawson, Thomas Dawson,			
Dawson, Ralph Currey City 3984.]	1901.	Dawson, Henry Watson	
DAWSON, RALPH CORREY Dawson, Samuel Horace Wright			
1911. { DAWSON, SAMUEL HORACE DAWSON, THOMAS	1910.	DAWSON, RALPH CURREY	
Sheaf Iron Works, Lincoln, Daimler Motor Co., Coventry, Daimler Motor Co., Coventry, Director of Studies, Science Art and Technical Schools, Guild-hall, Bath. Messrs. R. Waygood & Co., Falmout Rd., Great Dover St., S.E. Messrs, Dick, Kerr & Co., Abchurch Yard, Cannon St., E.C.; and 4 College Rd., Isleworth. 4 Shelley Ave., Manor Park, Essex. (Chief Eng., Corpn. Electricity Works, Bury St. Edmund's. (St. Maur, St. Georges Avenue, Warblington, Havant. 1901. A.M.) 1911.			
1913. Dawson, Thomas	1911.	/ /	Sheaf Iron Works, Lincoln.
DAY, CHARLES HERBERT JOHN DAY, CLAUD ALBERT STAINTON DAY, FRANK DUVAL DAY, SYDNEY EDMUND DAY, CLAUD ALBERT STAINTON College Rd, Isleworth, A Shelley Ave, Manor Park, Essex. Chief Eng., Corpn. Electricity Works, Burry St. Edmund's. St. Maur, St. Georges Avenue, Warblington, Havant. 18 Brook Street, Whitley Bay, Northumberland. DEARDEN, WILLIAM HENRY. DEARDEN, WILLIAM HENRY. DEARDEN, WILLIAM ARTHUR DEBER, GRAHAM GEORGE DEBER, GRAHAM GEORGE SH. Warry St. Edmund's. St. Maur, St. Georges Avenue, Warblington, Havant. 18 Brook Street, Whitley Bay, Northumberland. 973 Acton Hill, W. 9 Brayburne Avenue, Clapham, S.W. The Motor Union, St. Peter's Sq., Manchester. 94 Bryhneulog St., Port Talbot. Rolandine, 42 Featherstone Rd., King's Heath, Birmingham. 10 Gerard Rd., Harrow. 10 Gerard Rd., Harrow. 10 Gerard Rd., Harrow. 10 Genard Rd., Harrow. 10 Genard Rd., Bayswater, W. 4 Anglo-French Exploration Co., 208–224 Salisbury House, Finsbury, E.O. Works Manager, Herbert Engineering Co., Caversham, Reading. Victoria Coal and Coke Co., South- gate House, Wakefield. British Insulated and Helsby Cables, Lennox House, Norfolk St., W.C. Ocean Accident and Guarantee Corpn., 36-44 Moorgate St., E.C. 100 Rusthall Avenue, Chiswick, W. St. John's, Antigua, West Indies. Eng. and Surveyor, Rural Dist.	1913.		Daimler Motor Co., Coventry.
1898. A.M.) DAY, CHARLES HERBERT JOHN 1899. DAY, CLAUD ALBERT STAINTON DAY, FRANK DUVAL 1913. DAY, FRANK DUVAL 1914. DAY, SYDNEY EDMUND DAY, SYDNEY EDMUND DEAN, GERALD IREDALE 1915. DEAN, GEORGE 1916. DEAN, GEORGE 1917. DEANE, RICHARD HILL ASPERNE 1918. DEARDEN, WILLIAM HENRY 1919. DEERING, PHILIP STUART 1919. DE GRUCHY, WILLIAM ARTHUR 1910. G. 1910. G. 1911. DECHUCE, SAMUEL ALERED 1904. DELUCE, SAMUEL ALERED NELSON DENNISO, JOHN ALBERT 1906. DENNISS, ALFRED JOSEPH DEVILLE, MARTIN DEW, JAMES WALVER HENRY 1907. DEW, JAMES WALVER HENRY 1908. DEWHIRST, JAMES ASSINGA, Carea Co., Fal. Mossrs. R. Waygood & Co., Abchurch Yard, Cannon St., E.C.; and 4 College Rd., Cannon St., E.C.; and 4 College Rd., Isleworth. College Rd., Isleworth	1890. A.)	D	
1913. DAY, CHARLES HERBERT JOHN 1899. DAY, CLAUD ALBERT STAINTON 1913. DAY, FRANK DUVAL 4 College Rd., Isleworth. 1914. DAY, SYDNEY EDMUND 5 Shelley Ave., Manor Park, Essex. 1915. DAY, SYDNEY EDMUND 5 Shelley Ave., Manor Park, Essex. 1916. Chief Eng., Corpn. Electricity Works, Bury St. Edmund's. 1917. Corpn. Electricity Works, Bury St. Edmund's. 1918. DEANE, GERALD IREDALE NEWNEHAM 5 St. Maur, St. Georges Avenue, Warblington, Havant. 1919. DEANE, GIERALD IREDALE Newenham 5 St. Maur, St. Georges Avenue, Warblington, Havant. 1913. DEANE, RICHARD HILL ASPERNE 5 St. Maur, St. Georges Avenue, Warblington, Havant. 1914. DEERBERT 5 St. Maur, St. Georges Avenue, Warblington, Havant. 1915. The Motor Union, St. Peter's Sq., Manchester. 1916. DEELL, FRANCIS ALBERT 5 St. Maur, St. Georges Avenue, Warblington, Havant. 1917. DEERBERT 5 St. Maur, St. Georges Avenue, Warblington, Havant. 1918. DEANE, WILLIAM HENRY 5 St. Maur, St. Georges Avenue, Warblington, Havant. 1919. DEERBERT 5 St. Maur, St. Georges Avenue, Warblington, Havant. 1919. Brayburne Avenue, Clapham, S.W. 1910. DEERBERT 5 St. Maur, St. Georges Avenue, Warblington, Havant. 1810. St. Maur, St. Georges Avenue, Warblington, Havant. 1811. W. 9 Brayburne Avenue, Clapham, S.W. 1812. The Motor Union, St. Peter's Sq., Manchester. 1813. DEERBERT 5 ALBERT 6 St. Wing's Heath, Birmingham. 1914. DELUCE, SAMUEL ALFRED 6 Newton Rd., Harrow. 1915. DELUCE, SAMUEL ALFRED 6 Newton Rd., Bayswater, W. 1916. DENNISON, JOHN ALBERT 26 Newton Rd., Bayswater, W. 1917. DENNISON, JOHN ALBERT 6 Newton Rd., Bayswater, W. 1918. DENNISON, JOHN ALBERT 6 Newton Rd., Bayswater, W. 26 Newton Rd., Bayswater, W. 27 Northumberland. 28 All Saints Road, Peterborough. 28 Newton Rd., Bayswater, W. 29 Newton Rd., Caversham, Reading. 20 Northumberland. 20 Newton Rd., Herbert Engineering Co., Caversham Works, W. 21 Northumberland. 22 All Saints Road, Peterborough. 28 Newton Rd., Bayswater, W. 29 N		DAY, ARTHUR GODFREY	
mouth Rd., Great Dover St., S.E., Messrs. Dick, Kerr & Co., Abchurch Yard, Cannon St., E.C.; and 4 College Rd., Isleworth. 4 Shelley Ave., Manor Park, Essex. Chief Eng., Corpn. Electricity Works, Bury St. Edmund's. St. Maur, St. Georges Avenue, Warblington, Havant. 18 Brook Street, Whitley Bay, Northumberland. 1902. A.M. DEARDER, WILLIAM HENRY. 1913. DEEPROSE, HENRY. 1909. DEER, GRAHAM GEORGE 1913. DEERING, PHILIP STUART 1912. DE GRUCHY, WILLIAM ARTHUR 1905. DELIC, FRANCIS ALBERT BLECKLY. 1904. DENNISO, JOHN ALBERT 1906. DEVEY, ABTHUR CHARLES 1907. DEW, JAMES WALTER HENRY 1904. DEW, JOSEPH TURNER 1907. DEW, JAMES WALTER HENRY 1904. DEWHIRST, JAMES 1908. DEWHIRST, JAMES 1909.	1019	Des Carres Hannens Torry	
1899. DAY, CLAUD ALBERT STAINTON 1913. DAY, FRANK DUVAL	1915.	DAY, CHARLES HERBERT JOHN	mouth Rd., Great Dover St., S.E.
College Rd., Isleworth. 4 Shelley Ave., Manor Park, Essex. (Chief Eng., Corpn. Electricity Works, Bury St. Edmund's. 1913. Deane, Gerald Iredale Newenham Newenham Newenham Newenham Newenham Northumberland Northumberl	1900	DAY CLASS ALDEDE STAINTON	
1913. DAY, FRANK DUVAL 1914. DAY, SYDNEY EDMUND 1909. G. 1901. A.M. 200 DEAN, GERALD IREDALE (NEWENHAM	1000.	DAY, CHAUD ALBERT STRIKTON	
Works, Bury St. Edmund's. St. Maur, St. Georges Avenue, Warblington, Havant. 1901. A.M. DEANE, GERALD IREDALE NEWENHAM	1913.	DAY, FRANK DUVAL	4 Shelley Ave., Manor Park, Essex.
1899. G. 1901. A.M. 1911. DEAN, GEORGE	1913.	DAY, SYDNEY EDMUND	Chief Eng., Corpn. Electricity
1901. A.M.) DEANE, GERALD IREDALE NEWENHAM	1899. (t)		
Newenham Northumberland.		DEAN, GEORGE	Warblington, Havant.
1909. G. 1912. A.M. DEANE, RICHARD HILL ASPERNE 273 Acton Hill, W. 1913. DEARDEN, WILLIAM HENRY. S.W. 1914. DEEPROSE, HENRY. The Motor Union, St. Peter's Sq., Manchester. 1909. DEER, GRAHAM GEORGE 34 Brynheulog St., Port Talbot. Rolandine, 42 Featherstone Rd., King's Heath, Birmingham. 1912. DE GRUCHY, WILLIAM ARTHUR 1905. DELUCE, SAMUEL ALFRED NELSON St. Peter's Sq., Manchester. 1904. DELUCE, SAMUEL ALFRED NELSON St. Peter's Sq., Manchester. 1905. DENNIS, GEORGE STANLEY 34 Brynheulog St., Port Talbot. Rolandine, 42 Featherstone Rd., King's Heath, Birmingham. 10 Gerard Rd., Harrow. 10 Gerard Rd., Harrow. 10 Gerard Rd., Harrow. 11 Sq. Alfred Nelson St. Peter's Sq., Manchester. 11 Sq. Alfred Nelson St. Peter's Sq., Manchester. 12 Brayburne Avenue, Clapham, S.W. 13 Brayburne Avenue, Clapham, S.W. 14 Brynheulog St., Port Talbot. Rolandine, 42 Featherstone Rd., King's Heath, Birmingham. 10 Gerard Rd., Harrow. 10 Gerard Rd., Harrow. 10 Gerard Rd., Harrow. 10 Gerard Rd., Harrow. 10 Gerard Rd., Harrow. 10 Gerard Rd., Harrow. 10 Gerard Rd., Harrow. 10 Gerard Rd., Harrow. 10 Gerard Rd., Harrow. 10 Gerard Rd., Harrow. 10 Gerard Rd., Harrow. 10 Gerard Rd., Harrow. 10 Gerard Rd., Harr	1911.		
1912. A.M.) DEARDEN, WILLIAM HENRY 1913. DEEPROSE, HENRY		`	`
1913. Deerrose, William Henry 1914. Deering, Philip Stuart 1905. { Deell, Francis Albert Bleckly Samuel Alfred Nelson Cent. Manchester. Sq., Manchester. Manchester. Sq., Man		DEANE, RICHARD HILL ASPERNE	273 Acton Hill, W.
1913. DEEPROSE, HENRY 1909. DEEB, GRAHAM GEORGE 1913. DEERING, PHILIP STUART 1914. DE GRUCHY, WILLIAM ARTHUR 1905. { DELUCE, SAMUEL ALFRED 1901. G. 1903. A.M.} DENNIS, GEORGE STANLEY 1901. DENNISON, JOHN ALBERT 1914. DENNISON, JOHN ALBERT 1914. DENNISS, ALFRED JOSEPH 1906. DEBYSHIRE, JOHN 1907. DEWY, ABTHUR CHARLES 1908. DEWHIRST, JAMES 1908. DEWHIRST, JAMES 1909. DEWHIRST, JAMES 1900. The Motor Union, St. Peter's Sq., Manchester. 34 Brynheulog St., Port Talbot. Rolandine, 42 Featherstone Rd., King's Heath, Birmingham. 10 Gerard Rd., Harrow. 32 All Saints Road, Peterborough. Genl. Manager, Messrs. W. T. Ellison & Co., Irlams-o'-th'-Height, Manchester. 26 Newton Rd., Bayswater, W. Anglo-French Exploration Co., 208-224 Salisbury House, Finsbury, E.C. Ycitoria Coal and Coke Co., Southgate House, Wakefield. British Insulated and Helsby Cables, Lennox House, Norfolk St., W.C. 100 Rusthall Avenue, Chiswick, W. St. John's, Antigua, West Indies. Eng. and Surveyor, Rural Dist. Council Offices, Waterloo Lane,	· ·	DEARDEN, WILLIAM HENRY.	
1909. Deer, Graham George 34 Brynheulog St., Port Talbot. 1913. Deering, Philip Stuart {Rolandine, 42 Featherstone Rd., King's Heath, Birmingham.} 1914. De Gruchy, William Arthur (Bleckly	2020.		
1909. Deer, Graham George 34 Brynheulog St., Port Talbot. 1913. Deering, Philip Stuart (Rolandine, 42 Featherstone Rd., King's Heath, Birmingham. 1905. {Dell, Francis Albert Bleckly	1913.	DEEPROSE, HENRY	
St. Deering, Frith Stuart King's Heath, Birmingham.	1909.	DEER, GRAHAM GEORGE	34 Brynheulog St., Port Talbot.
1912. DE GRUCHY, WILLIAM ARTHUR 1905. { DELL, FRANCIS ALBERT BLECKLY	1913.	DEERING, PHILIP STUART	
1905. { Dell, Francis Bleckly	1912.	DE GRUCHY, WILLIAM ARTHUR	
Solution Color C	1905		
1904. { Nelson	1.000	BLECKLY	
1901. G. 1903. A.M. DENNIS, GEORGE STANLEY 26 Newton Rd., Bayswater, W. Anglo-French Exploration Co., 208- 224 Salisbury House, Finsbury, E.C. DENNISS, ALFRED JOSEPH { DENNISS, ALFRED JOSEPH { DENNISS, ALFRED JOSEPH { DERBYSHIRE, JOHN { Victoria Coal and Coke Co., South- gate House, Wakefield. { British Insulated and Helsby Cables, Lennox House, Norfolk St., W.C. { Coeean Accident and Guarantee Corpn., 36-44 Moorgate St., E.C. { 1904. DEW, JAMES WALTER HENRY 1904. DEW, JOSEPH TURNER { St. John's, Antigua, West Indies. { Eng. and Surveyor, Rural Dist. { Council Offices, Waterloo Lane, { Council Offices, { Council Offices	1904.		Ellison & Co. Trlams-o'-th'-
1903. A.M.) DENNIS, GEORGE STANLEY 26 Newton Rd., Bayswater, W. 1911. DENNISON, JOHN ALBERT 224 Salisbury House, Finsbury, E.C. 1914. DENNISS, ALFRED JOSEPH {Works Manager, Herbert Engineering Co., Caversham Works, Wolsey Rd., Caversham Works, Wolsey Rd., Caversham, Reading. {Victoria Coal and Coke Co., Southgate House, Wakefield.} 1906. DEVEY, ABTHUR CHARLES {Victoria Coal and Coke Co., Southgate House, Wakefield.} 1907. DEW, JAMES WALTER HENRY 1904. DEW, JOSEPH TURNER {Coeean Accident and Guarantee Corpn., 36-44 Moorgate St., E.C. 100 Rusthall Avenue, Chiswick, W. St. John's, Antigua, West Indies. Eng. and Surveyor, Rural Dist. Council Offices, Waterloo Lane,	20024	(NELSON	Height, Manchester.
1911. Dennison, John Albert Anglo-French Exploration Co., 208-224 Salisbury House, Finsbury, E.C. Works Manager, Herbert Engineering Co., Caversham Works, Wolsey Rd., Caversham, Reading. Yictoria Coal and Coke Co., Southgate House, Wakefield. British Insulated and Helsby Cables, Lennox House, Norfolk St., W.C. 1907. Dew, James Walter Henry 1904. Dew, Joseph Turner St. John's, Antigua, West Indies. Eng. and Surveyor, Rural Dist. Council Offices, Waterloo Lane,		DENNIS, GEORGE STANLEY	26 Newton Rd., Bayswater, W.
1911. Dennison, John Albert 224 Salisbury House, Finsbury, E.C. 1914. Denniss, Alfred Joseph Ec., Caversham Works, Wolsey Rd., Caversham Works, Wolsey Rd., Caversham, Reading. 1904. Derbyshire, John Yictoria Coal and Coke Co., Southgate House, Wakefield. 1906. Devey, Arthur Charles British Insulated and Helsby Cables, Lennox House, Norfolk St., W.C. 1899. De Ville, Martin Coean Accident and Guarantee Corpn., 36–44 Moorgate St., E.C. 1907. Dew, James Walter Henry 1904. Dew, Joseph Turner St. John's, Antigua, West Indies. Eng. and Surveyor, Rural Dist. Council Offices, Waterloo Lane,	1903. A.M.)		
E.C. Works Manager, Herbert Engineering Co., Caversham Works, Wolsey Rd., Caversham, Reading. 1904. Derbyshire, John	1911.	DENNISON, JOHN ALBERT	
1914. Denniss, Alfred Joseph Sing Co., Caversham Works, Wolsey Rd., Caversham, Reading. Wolsey Rd., Caversham, Reading. Victoria Coal and Coke Co., Southgate House, Wakefield. British Insulated and Helsby Cables, Lennox House, Norfolk St., W.C. 1899. De Ville, Martin Coeean Accident and Guarantee Corpn., 36-44 Moorgate St., E.C. 1907. Dew, James Walter Henry 1904. Dew, Joseph Turner St. John's, Antigua, West Indies. 1908. Dewhirst, James Eng. and Surveyor, Rural Dist. 1909. Council Offices, Waterloo Lane,			E.C.
Wolsey Rd., Caversham, Reading. Victoria Coal and Coke Co., Southgate House, Wakefield. British Insulated and Helsby Cables, Lennox House, Norfolk St., W.C. St., W.C. DEW, JAMES WALTER HENRY DEW, JOSEPH TURNER DEW, JOSEPH TURNER DEWHIRST, JAMES Wolsey Rd., Caversham, Reading. Victoria Coal and Coke Co., Southgate House, Wakefield. British Insulated and Helsby Cables, Lennox House, Norfolk St., W.C. Ocean Accident and Guarantee Corpn., 36–44 Moorgate St., E.C. 100 Rusthall Avenue, Chiswick, W. St. John's, Antigua, West Indies. Eng. and Surveyor, Rural Dist. Council Offices, Waterloo Lane,	1014	DENNISS ALEDED TOSEDS	
1904. DERBYSHIRE, JOHN	IJII.	DERNISS, ALPHED COSEIN	
1906. DEVEY, ABTHUR CHARLES St. John's, Antigua, West Indies. 1907. DEW, JAMES WALTER HENRY 1904. DEW, JOSEPH TURNER St. John's, Antigua, West Indies. 1908. DEWHIRST, JAMES St. Council Offices, Waterloo Lane,	1904.	DERRYSHIRE JOHN	(Victoria Coal and Coke Co., South-
1906. DEVEY, ARTHUR CHARLES Cables, Lennox House, Norfolk St., W.C. 1899. DE VILLE, MARTIN Cocean Accident and Guarantee Corpn., 36-44 Moorgate St., E.C. 1907. DEW, JAMES WALTER HENRY 1904. DEW, JOSEPH TURNER St. John's, Antigua, West Indies. Eng. and Surveyor, Rural Dist. Council Offices, Waterloo Lane,	2002,		
St., W.C. Ocean Accident and Guarantee Corpn., 36-44 Moorgate St., E.C. 1907. Dew, James Walter Henry 1904. Dew, Joseph Turner Dew, Joseph Turner St., W.C. Corpn., 36-44 Moorgate St., E.C. 100 Rusthall Avenue, Chiswick, W. St. John's, Antigua, West Indies. Eng. and Surveyor, Rural Dist. Council Offices, Waterloo Lane,	1906.	DEVEY, ARTHUR CHARLES	
1907. DEW, JAMES WALTER HENRY 1904. DEW, JOSEPH TURNER 1903. DEWHIRST, JAMES			St., W.C.
1907. DEW, JAMES WALTER HENRY 1904. DEW, JOSEPH TURNER 1908. DEWHIRST, JAMES	1899.	DE VILLE, MARTIN	
1904. DEW, JOSEPH TURNER St. John's, Antigua, West Indies. Eng. and Surveyor, Rural Dist. Council Offices, Waterloo Lane,	1907.	DEW, JAMES WALTER HENRY	
1903. DEWHIRST, JAMES Council Offices, Waterloo Lane,			St. John's, Antigua, West Indies.
	1009	Designation Living	Eng. and Surveyor, Rural Dist.
Canadana	1305,	DEWHIRST, JAMES	

	1903.	DEWS, JAMES WALTER	54 Rectory Road, Barnes, S.W.
	1901.	DICKINSON, HENRY WINRAM	Munitions Inventions Department,
			Messrs. Thomas Broadbent and
	1912.	DICKINSON, HERBERT	Sons, Central Iron Works,
		(Dickson, Ernest Holmes	Huddersfield.
	1912.	DICKSON, ERNEST HOLMES	Corpn. Electricity Works, Frederick Rd., Salford, Manchester.
	1912.	DICKSON, ROBERT COCHRAN	Messrs. Harrisons & Crossfield,
			Medan, Deli, Sumatra.
	1913.	John	227 Burrage Rd., Plumstead, S.E.
	1912.	DIGBY, CLIFFORD	Westfield, 12 Park Road, Stretford,
		,	Manchester. (48 Westminster Palace Gdns.,
	1901.	DIGBY, WILLIAM POLLARD	Victoria Street, Westminster,
			S.W.
	1905.	DIMMACK, ARTHUR	Eng., Boro' Electricity Works, Swindon.
			Suptg. Eng., Aryodaya Spinning
	1911.	DIVECHA, TOOLJARAM MOOLJI	and Weaving Mills, Asarva,
			Ahmedabad, India. (Public Works Branch, Dept. of
	1910.	DIXON, HENRY ALEXANDER	Home Affairs, Melbourne, Vic-
	1902.	Dixon, John	219 St. Vincent St., Glasgow.
	1002.	Dixon, John	(Messrs. Siemens Bros. Dynamo
	1910.	DIXON, JOHN DANIEL	Works, Caxton House, Tothill
			St., Westminster, S.W.
	1912.	DIXON, RALPH CLAIBORNE	Chief Engr., Porbandar State, Porbandar, Kattiawad, India.
	1908.	DIXON, WILLIAM	City Engineer's Office, Municipal
			Bldgs., Leeds. (Chief Engr., Seikhyi Refinery,
	1915.	DOBBIE, GAVIN CHAPMAN GORDON	Indo-Burma Petroleum Co.,
	1898.	Dobbs, Herbert Treadwin.	Rangoon, Burma. 225 Albany Road, Cardiff.
		•	(Kay Street Machine Works, Bolton.
	1904.	Dobson, Benjamin Palin	[Dobsons, Bolton. 43.]
	1914.	Dodds, Alexander Fairbairn	Corporation Electricity Supply Dept., Edinburgh.
	1911.	Dodds, William Mathison	Nova Scotia Estate, Teluk Anson,
	1011.	Dobbs, William Mailison	Lower Perak, F.M.S. Godolphin Terrace, Stoke,
	1899.	Dodridge, Frederick	5 Godolphin Terrace, Stoke, Devonport.
RW	1904.	Don, John	Gardenrose, Maybole.
	1912.	Donald, Andrew	Electric Supply Corpn., Central Station, 26 Jheel Rd., Cossipore,
	1012.	Donald, Illibrary	Calcutta.
	1913.		St. Fillans, 16 Wilmington Gdns.,
	1000	LIAM	Barking. (c/o Wm. Donaldson, General
	1902.	Donaldson, James	Delivery, Michel, B.C.
	1906.	Donaldson, James Alexander	Reconquista 268, Buenos Aires, Arg. Rep.
	1912.	DONUM HEDDERM INTULY	Colombo Municipality, Colombo,
	1312,	DONKIN, HERBERT JULYAN	Ceylon.
	1898.	Donne, Frederick Edward Mowbray	Loco. Dept., Mid. Rly., Nottingham.

1916. ASSOCIATE, ME	EMBERS. 137
Date of Election.	
1912. Donnelly, John	{Irrigation Department, Union Buildings, Pretoria, Transvaal.
1912. Donnelly, Samuel Holt	Surveyor and Eng., Council Offices, 5 Bancroft, Hitchin.
1914. DOUBBLE, THEODORE WILLIAM	43-46 Southampton Buildings, Chancery Lane, W.C. Wolseley Motors Ltd., Adderley
1913. Dougill, Alfred William	Park, Birmingham.
1914. DOUGLAS, ALFRED WILLIAM	(South Staffe Water Works Paradisa
1895. A.M. DOUGLASS, ALFRED EDWARDS 1907. G. DOUGLASS, PERCY CUTHBERT	(Du, Dirmingham.
1912. A.M.) Douglass	. (S.W.
1912. Dover, Henry James	Vacuum Brake Co., 32 Queen Victoria Street, E.C.
1902. G. Dow, HAROLD PERCY	[32 Fenchurch St., E.C. [Outcoming, London. London Wall 3904.]
1911. Dowell, Herbert	Bessbrook Spinning Co., Bessbrook, Co. Armagh.
1908. G. Dowling, William	Hope View, North Queensferry, Fife.
1900. G. Down, Percy Bissett	20 Darenth Rd., Stamford Hill, N.
1896. {Dowson, Erasmus Charles Head	S \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
1898. Dowson, Robert Manning	Rand Club, Johannesburg, Trans- vaal.
1913. DOYLE, THOMAS DAVIS	Chief Mech. Engr.'s Office, Victorian Rlys., Spencer St., Melbourne, Victoria.
1908. {Drabble, Harold Mont- GOMREY	Eng. Supt., Lanadron Rubber Estates, Muar, vid Singapore, Straits Settlements.
1906. Drake, Arthur Penrhyn	83 Ingram Road, Park, Sheffield.
1901. Draycott, George Edwin	Borough Road Polytechnic, S.E. (Commercial & Marine Engine
1911. Drayson, Walter Francis	Co., Oak Works, Church Road, Hanwell, W.
1895. G. DRESSER, CHARLES	Engineering Standards Committee, 28 Victoria St., S.W.
1908. DREW, ERNEST HENRY	Messrs. A. & T. Burt, Dunedin, N.Z.
1900. DREWITT, WILLIAM HENRY	80 Alexander Road, Acocks Green, Birmingham.
1911. DRUMMOND, GEORGE	Gula, Perak, Federated Malay States.
1911. Drury, Guy Lyndon	North Eastern Rly., Walker Gate, Newcastle-on-Tyne.
1908. {DRURY, HARRY JAMES HUT-	198 Eaton Crescent, Swansea.
1904. {DRURY, HENRY WILLIAM COLLINS	(Dist. Loco. Supt., G. E. Rly., Norwich.
1909. DRYBURGH, ALEXANDER PHILIP	Schmidt's Superheating Co. (1910) Ltd., Mosley Rd., Trafford Park, Manchester.
1896. G. DRYDEN, WILLIAM	Grimshaw Street Foundry, Preston.
1908. Du Cane, Charles George	911 Rogers Bldg., Vancouver, B.C.
1906. Dudin, John Percy	L.C.C. Electric Power Station, East Greenwich, S.E.

1903.

Date of Election.

1903. G.) 1909. A.M.)	DUFF, PHILIP JOHN		18 Hambly Avenue, Kew Beach, Toronto, Ont., Canada.
1903.	DUKE, REGINALD FRANCIS	••	Ferry Wharf Works, Littlehampton. 6.] Turner's Motor Manufacturing
1907.	DUMBELL, JAMES BURNS	••	Co., Wulfruna Works, Lever St., Green Lane, Wolverhampton.
1913.	Dunbar, James		Box 216, Invercargill, New Zealand.
1903.	DUNKERTON, ERNEST CHARL	ES	53 Grosvenor Place, Newcastle-on- Tyne.
1904.	Dunn, James	••	Engineering Dept., Leeds Technical School, Cookridge St., Leeds.
1908.	Durnford, Thomas Joy	••	Mech. Dept., Gt. Southern Rly., Casilla de Correio 109, Buenos Aires, Arg. Rep.
1908.	DUTTON, CHARLES HENRY	9	1 St. John's Terrace, Kilmainham, Dublin.
1906.	DUTTON, FRANK HENRY	••	Signal Supt., S. African Rlys., Johannesburg, Transvaal.
1907.	Duus, John Henry		
1909. G.) 1912. A.M.)	DWYER, DAVID ANTHONY	••	British Saw Sharpening Machines Ltd., 79 Mark Lane, E.C.
1913.	Dyer, Warren Stephens	••	Messrs. Porter & Co., 13 Canton Road, Shanghai, China.
1909. G.) 1912. A.M.)	DWYEB, DAVID ANTHONY		

1300.	EADES, JOHN, Jun	Mancheste
1912.	EARNSHAW, WILLIAM	4 Watson St Zealand.
1915.	EARP, ARTHUR CLIFFORD	(Lieut., S.T tionary Fo Whitehall
1901.	EASTLAKE, ARTHUR WILLIAM	Grosmont, 4
1910.	EASTON, ROBERT SCOTT	Messrs. Jesso Works, 93
1914.	ECKFORD, JAMES WAYTE	Messrs. Harl Works, Be
1908. G. 1914. A.M.	EDEN, CHRISTOPHER GABRIEL	Edgemoor, E Middx.
1907.	EDGCOMBE, WILLIAM EDWARD	Chink Hill, India. (Le
1903.	Edge, Thomas	Electrical E Rosyth, Fi
1900.	Edleston, Alfred Edward.	Mond Nickel Glamorgan
1915.	EDMONDS, HENRY THOMAS GEORGE	Resident Eng Chester.

EADES JOHN Jun

11 Mansfield Chbrs., St. Ann's Sq., Manchester.

4 Watson Street, Wellington, New Zealand.

(Lieut., S.T.C.), Indian Expeditionary Force A, c/o India Office, Whitehall, S.W.

Grosmont, 46 Palace Rd., Streatham Hill, S.W.

Messrs. Jessop & Co., Phenix Iron

Works, 93 Clive St., Calcutta. Messrs. Harland & Wolff, Engine Works, Belfast.

Edgemoor, Highfields, Northwood, Middx.

Chink Hill, Kurduwadi, Deccan, India. (Lost in S.S. "Persia.") Electrical Eng., H.M. Dockyard, Rosyth, Fifeshire.

Mond Nickel Co., Clydach-on-Tawe, Glamorgan,

Resident Engineer, County Asylum,

ADSUCIATE ME	mbers.
Date of Election.	
1893. EDMONDSON, ALFRED RICHARD, M.Sc.	Ribble House, Bank Hall Lane, Hale, Altrincham.
1911 G)	Messrs. Crossley Brothers, Open-
1915. A.M.	shaw, Manchester.
1904. EDWARD, FRANK	80 Cecile Park, Crouch End, N.
1914. Edwards, Frank Birchall	Silvermere, Arthog Drive, Hale, Altrincham.
1896. G.) EDWARDS, JAMES GEORGE	Principal, Municipal Technical
1899. A.M. Senjamin	School, Portadown. [8 Perry Mead, Polefield Hall,
1913. Edwards, James Reginald	Bury Old Road, Prestwich, Man- chester.
1900. G.)	Messrs. Hughes & Lancaster, 16
1906. A.M. Edwards, John	Victoria Street, Westminster, S.W.
1010 Thomas Timorn	Works Manager, Yorkshire Engine
1912. Edwards, Thomas Harold	Co., Meadow Hall Works, Sheffield.
1913. Edwards, William Sydney	Messrs. W. G. Bagnall, Stafford. 7 Fairfax Road, Bedford Park,
1912. Edye, John de Greet	W.
1906. G.) The same Water	Messrs. Willans and Robinson,
1910. A.M. ELBORNE, EDWARD MITCHELL	213 Kerr Block, Regina, Sask., Canada.
1900. Ellington, Guy	Kingshott, Fernhurst, Haslemere,
1904. G.) ELLINGTON NOVE BAYTAND	Surrey.
1907. A.M.	Hydraulic Engineering Co., Chester.
1914. ELLIOTT, CYBIL	Park View, Limerick. Gas Works, Exmouth.
1910. G.) ELLIS TACK INDEEDSON	Messrs. Hans Renold, Manchester.
1915. A.M.)	(Messrs. Heatly & Gresham, 6
1904. Ellis, Jesse, Jun	Waterloo St., Calcutta.
1911. Ellis, Martyn Ivor Williams	Glasfryn, Chwilog, Carnarvon- shire.
1912. {ELLIS, ROBERT BATTISCOMBE ASKQUITH	Wolseley Motors Ltd., Adderley Park, Birmingham.
1905. ELLISON, WILLIAM THOMAS	(172 Bolton Rd., Pendleton,
1909. Elton, Ernest Frederick	Manchester. Town Custom House, Bombay.
1899. G.) EMPLEMON CHARLES APPOIN	sc/o George Cawley, 82 Victoria St.,
1302. A.M.)	Westminster, S.W. (North Eastern Rly., Dock Engi-
1913. Embley, Arthur Stephen	neer's Office, Hull.
1901. G.) EMERSON, WILLIAM ALEX-	(Dist. Loco. Supt., Loco. Dept.,
1905. A.M. ANDER INGILBY	G. N. Rly., Grantham.
1904. A.M.) EMERY, JAMES INMAN	6 Rose Bank, Lancaster.
1910. Empson, Alfred Walker	14 Scarcroft Hill, York.
1904. G.) ENGERT, FREDERICK PERCY	Messrs. J. Shores & Co. Ltd., Owston Ferry, Doncaster. [Shores,
1912. A.M.)	Owston Ferry.]
1905. Engholm, Alexander Goldie	104 Newhall St., Birmingham. (Messrs. L. G. Mouchel & Partners,
1904. G. 1911. A.M. ENGHOLM, FRANK GOLDIE	108-9 Mail Bldg., Toronto,
	Canada. (Eng., Christchurch Gas Co., Christ-
1905. English, Robert	church, New Zealand.
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1909.	ERITH, CHARLES	Erith's Engineering Co., 70 Grace- church Street, E.C.
1902.	Ermen, George	Wardry Works, 152-156 Chapel St., Salford, Manchester.
1902.	ESPEUT, REGINALD WILLIAM ARMIT	Sierra Leone Rly., West Africa.
1902.	ETCHELLS, ERNEST FIANDER	Building Act Office, L.C.C., Spring Gardens, S.W.
1914.	Exchells, Thomas Walter	Works Manager, Sir James Farmer & Sons, Adelphi Iron Works, Salford, Manchester.
1907.	Evans, Frederick Edward	64 Lavender Vale, Wallington, Surrey.
1908.	Evans, James Humphrey	St. Cuthbert, Norton Rd., Wembley, S.O., Middlesex.
1905.	Evans, William	Messrs. Harland & Wolff, Engine Works, Belfast.
1909. G. 1912. A.M.	} TACE	9-15 Guildhall Bldgs., Navigation St., Birmingham.
1901. G. 1904. A.M.		c/o Messrs. King, King & Co., Box 110, Bombay, India. Res. Electrical Eng., Urban District
1909.	EVERITT, HAROLD WILLIAM	Council, Electricity Works, Clacton-on-Sea.
1901.	EVETTS, WILLIAM, Jun	Schmidt's Superheating Co. (1910) Ltd., 28 Victoria St., West- minster, S.W.
1909.	EVILL, FREDERICK	51 Moorgate Street, E.C.
1902.	EXCELL, MAURICE STANLEY	17 Carlisle Road, Brondesbury, N.W.
1900. G. 1904. A.M.	EYERS, CYRIL	E.I. Rly., Asansol, India.

1912.	Frank Ivo	& Co., Elswick Works, New-castle-on-Tyne.
1912.	FARBRIDGE, JOSEPH WILLIAM	Manager, Rising Sun Petroleum Co.'s Tank Installation, Noda- Mura, Hiogo Ken, Japan.
1904.	FARNHAM, WILLIAM AUGUSTUS	Eng. and Surveyor, Foots Cray Urban District Council Offices, Sideup, R.S.O., Kent.
1907.	FARQUHAR, ERNEST EDMOND JAMES	5 Sefton Park, St. Andrews, Bristol.
1913.	FARRER, ARTHUR WESTMOR-	Ivydene, Crescent Road, Crouch End, N.
1907.	FARRINGTON, CHARLES FRED-	Conway and Colwyn Bay Joint Water Supply Bd., Trinity Sq., Llandudno.
1895.	FAWCETT, PERCY WILLIAM	Whirlow Brook, Parkhead, Sheffield.

	(D) 1 T G I G II D'-1
1902. G.) FAWKES, RUPERT EDWARD 1905. A.M.) FRANCIS	Divl. Loco. Supt. (Southern Div.), S. Govt. Rly., Khartoum, Sudan, Egypt.
1906. FAWNS, SYDNEY	71 Onslow Square, S. Kensington, S.W.
1904. FEARNLEY, GEORGE WILLIAM	Technical Institute, Sharman- Crawford St., Cork.
1904. G. 1911. A.M. FEENY, CYRIL JOSEPH	60 Queen Victoria Street, E.C.
1903. Fellows, Thomas Edgar	Munic. Eng. and Surveyor, Town Hall, Willenhall, Wolverhamp- ton.
1913. FELOY, JOSEPH PASCALL	53 Warren Road, Leyton, N.E. (Maison Hag Mahmoud Abdallah,
1914. FENDIAN, ARTHUR ANTRANIG	Rue Cicolani, Choubrab, Cairo, Egypt.
1907. {Fendick, Eng. Lieut. Walter Robert, R.N	c/o The Admiralty, Whitehall, S.W.
1907. G.) FERGUSON, Eng. Lieut. JOHN 1911. A.M.) HENDERSON, R.N	H.M.S. "Agamemnon," c/o Post- master General, E.C.
1905. {FEEGUSON, RODERICK MORRISON	371 Hollins Rd., Hollinwood, Oldham.
1903. FERNANDEZ, RAFAEL	Quintino Bocazuba 1145, Buenos Aires, Arg. Rep.
1019 (FEWSTER, EBENEZER DRYS-	Chief Mech. Eng., Ribble Navigation and Preston Docks
1913. TEWSTER, EBENEZER DRYS-	Undertaking, Preston Docks, Preston.
1896. G. FIEGEHEN, EDWARD GEORGE	Bedford Engineering Co., Bedford.
1913. FIELD, EDWARD HUBERT	Messrs. L. Sterne and Co., 30 Norfolk St., Strand, W.C.
1913. FIELD, EDWARD HUBERT 1912. FINCH, RUPERT JAMES	Norfolk St., Strand, W.C. 15 Wharncliffe Road, Broomhall Park, Sheffield.
1912. Finch, Rupert James 1908. Firbank, Stanley	Norfolk St., Strand, W.C. 15 Wharncliffe Road, Broomhall Park, Sheffield. Res. Eng., E. I. Rly., Aligarh, U. P., India.
1912. Finch, Rupert James	Norfolk St., Strand, W.C. 15 Wharncliffe Road, Broomhall Park, Sheffield. Res. Eng., E. I. Rly., Aligarh,
1912. FINCH, RUPERT JAMES	Norfolk St., Strand, W.C. 15 Wharncliffe Road, Broomhall Park, Sheffield, Res. Eng., E. I. Rly., Aligarh, U. P., India. Messrs. Jessop and Co., 93 Clive Street, Calcutta. The Elms, Heathville Rd., Gloucester.
1912. Finch, Rupert James 1908. Firbank, Stanley 1906. G.) 1911. A.M.) Fish, John William Blair.	Norfolk St., Strand, W.C. 15 Wharncliffe Road, Broomhall Park, Sheffield. Res. Eng., E. I. Rly., Aligarh, U. P., India. Messrs. Jessop and Co., 93 Clive Street, Calcutta. The Elms, Heathville Rd., Gloucester. Trafalgar, Henrietta St., Sydney, N.S.W.
1912. Finch, Rupert James	Norfolk St., Strand, W.C. 15 Wharncliffe Road, Broomhall Park, Sheffield, Res. Eng., E. I. Rly., Aligarh, U. P., India. Messrs. Jessop and Co., 93 Clive Street, Calcutta. The Ellms, Heathville Rd., Gloucester. Trafalgar, Henrietta St., Sydney, N.S.W. Lawford Iron Works, Manningtree, Essex.
1912. FINCH, RUPERT JAMES 1908. FIBBANK, STANLEY 1906. G. 1911. A.M. FISH, JOHN WILLIAM BLAIR 1915. FISHER, HUBERT FRANK 1910. FISHER, JOHN 1910. {FITCH, JOSHUA ROBERT MARKWELL 1909. FITZGERALD, STANLEY	Norfolk St., Strand, W.C. 15 Wharncliffe Road, Broomhall Park, Sheffield. Res. Eng., E. I. Rly., Aligarh, U. P., India. Messrs. Jessop and Co., 93 Clive Street, Calcutta. The Elms, Heathville Rd., Gloucester. Trafalgar, Henrietta St., Sydney, N.S.W. Lawford Iron Works, Manningtree,
1912. Finch, Rupert James	Norfolk St., Strand, W.C. 15 Wharncliffe Road, Broomhall Park, Sheffield, Res. Eng., E. I. Rly., Aligarh, U. P., India. Messrs. Jessop and Co., 93 Clive Street, Calcutta. The Elms, Heathville Rd., Gloucester. Trafalgar, Henrietta St., Sydney, N.S.W. Lawford Iron Works, Manningtree, Essex. Sturtevant Engineering Co., 147
1912. FINCH, RUPERT JAMES 1908. FIRBANK, STANLEY 1906. G. 1911. A.M. FISH, JOHN WILLIAM BLAIR 1915. FISHER, HUBERT FRANK 1910. FISHER, JOHN 1910. {FITCH, JOSHUA ROBERT MARKWELL 1909. FITZGERALD, STANLEY 1904. G. FITZGERALD, WILLIAM ALTERNA	Norfolk St., Strand, W.C. 15 Wharncliffe Road, Broomhall Park, Sheffield. Res. Eng., E. I. Rly., Aligarh, U. P., India. Messrs. Jessop and Co., 93 Clive Street, Calcutta. The Elms, Heathville Rd., Gloucester. Trafalgar, Henrietta St., Sydney, N.S.W. Lawford Iron Works, Manningtree, Essex. Sturtevant Engineering Co., 147 Queen Victoria Street, E.C. Malbrook Lodge, Malbrook Road,
1912. FINCH, RUPERT JAMES	Norfolk St., Strand, W.C. 15 Wharncliffe Road, Broomhall Park, Sheffield, Res. Eng., E. I. Rly., Aligarh, U. P., India. Messrs. Jessop and Co., 93 Clive Street, Calcutta. The Ellms, Heathville Rd., Gloucester. Trafalgar, Henrietta St., Sydney, N.S.W. Lawford Iron Works, Manningtree, Essex. Sturtevant Engineering Co., 147 Queen Victoria Street, E.C. Malbrook Lodge, Malbrook Road, Putney, S.W. Asst. Sec. to Agent, E. I. Railway House, Calcutta. Signalling Engineer, N.E. Rly., York.
1912. FINCH, RUPERT JAMES 1908. FIBBANK, STANLEY 1906. G. 1911. A.M. FISH, JOHN WILLIAM BLAIR 1915. FISHER, HUBERT FRANK 1910. FISHER, JOHN 1910. {FITCH, JOSHUA ROBERT MARKWELL 1909. FITZGERALD, STANLEY 1904. G. 1910. A.M. FITZGERALD, WILLIAM ALFRED 1914. FLATT, LESLIE NEEVE 1906. FLEET, ERNEST FRANK {FLETCHER, ALBERT STEPHEN BALDWIN	Norfolk St., Strand, W.C. 15 Wharncliffe Road, Broomhall Park, Sheffield. Res. Eng., E. I. Rly., Aligarh, U. P., India. Messrs. Jessop and Co., 93 Clive Street, Calcutta. The Elms, Heathville Rd., Gloucester. Trafalgar, Henrietta St., Sydney, N.S.W. Lawford Iron Works, Manningtree, Essex. Sturtevant Engineering Co., 147 Queen Victoria Street, E.C. Malbrook Lodge, Malbrook Road, Putney, S.W. Asst. Sec. to Agent, E. I. Railway House, Calcutta. Signalling Engineer, N.E. Rly., York. 32 McLeod Road, Abbey Wood, Kent.
1912. FINCH, RUPERT JAMES	Norfolk St., Strand, W.C. 15 Wharncliffe Road, Broomhall Park, Sheffield, Res. Eng., E. I. Rly., Aligarh, U. P., India. Messrs. Jessop and Co., 93 Clive Street, Calcutta. The Elms, Heathville Rd., Gloucester. Trafalgar, Henrietta St., Sydney, N.S.W. Lawford Iron Works, Manningtree, Essex. Sturtevant Engineering Co., 147 Queen Victoria Street, E.C. Malbrook Lodge, Malbrook Road, Putney, S.W. Asst. Sec. to Agent, E. I. Railway House, Calcutta. Signalling Engineer, N.E. Rly., York. 22 McLeod Road, Abbey Wood, Kent. Loco. Dept., Great Northern Rly., Peter St., Manchester.
1912. FINCH, RUPERT JAMES 1908. FIRBANK, STANLEY 1906. G. 1911. A.M. FISH, JOHN WILLIAM BLAIR 1915. FISHER, HUBERT FRANK 1910. FISHER, JOHN 1910. {FITCH, JOSHUA ROBERT MARKWELL 1909. FITZGERALD, STANLEY 1904. G. 1910. A.M. FITZGERALD, WILLIAM ALFRED 1906. FLEET, ERNEST FRANK 1911. {FLATT, LESLIE NEEVE 1904. G. FLEET, ERNEST FRANK 1904. G. FLEET, ERNEST STEPHEN BALDWIN	Norfolk St., Strand, W.C. 15 Wharncliffe Road, Broomhall Park, Sheffield, Res. Eng., E. I. Rly., Aligarh, U. P., India. Messrs. Jessop and Co., 93 Clive Street, Calcutta. The Elms, Heathville Rd., Gloucester. Trafalgar, Henrietta St., Sydney, N.S.W. Lawford Iron Works, Manningtree, Essex. Sturtevant Engineering Co., 147 Queen Victoria Street, E.C. Malbrook Lodge, Malbrook Road, Putney, S.W. Asst. Sec. to Agent, E. I. Railway House, Calcutta. Signalling Engineer, N.E. Rly., York. 22 McLeod Road, Abbey Wood, Kent. Loco. Dept., Great Northern Rly.,

Date	of	Ell	ecti	on.

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1907.	Flinn, Stephen	Ormonde House, Lion Lane, Hasle- mere, Surrey.
1910.	FLOOD, WILLIAM HENRY	36 Wake Road, Nether Edge, Sheffield.
1907.	FLOWER, CLEMENT JOHN	121 Victoria Street, Westminster,
1907.	FOLEY, BERTRAM PHILIP	8.W. 68 Higher Bank Road, Preston.
1909.	FOLK, SAMUEL MARK	152 Broadhurst Gardens, West
1911.	FORBES, GEORGE ROBERTSON	Hampstead, N.W. Manãos Tramway & Light Co., Manãos, Brazil.
1902,	FORGA, ALFRED	Messrs. Alfred Forga & Co., Are-
1904.	FORSYTH, WILLIAM	quipa, Peru. Finca Herrera, Estacion Pantaleon,
1900. G.)	T	(The Science Museum, S. Kensing-
1902. A.M.	FORWARD, ERNEST ALFRED	ton, S.W.
1903. G.) 1905. A.M.)	FOSTER, EDGAR	North Shore Gas Co., North Shore, Sydney, N.S.W.
1895.	FOSTER, EDWARD HORNBY	Black Dike Spinning Mills, Queens- bury, Bradford.
1902. G.)	Hosena Bonna Torra	Hadfield's Steel Foundry Co., East
1904. A.M.	FOSTER, ROBERT JOHN	Hecla Works, Sheffield; and The Knowle, Moorgate, Rotherham.
1897. G.) 1902. A.M.	FOSTER, SYDNEY	(Lancs. & Yorks. Rly., Fleetwood, R.S.O., Lancs.
1915.	FOTHERGILL, HARRY	3 Central Buildings, Westminster, S.W.
1910.	Foulds, John Rhodes	23 Charles Street, Bingley.
1907. G.) 1912. A.M.)	FOWLER, CHARLES HENRY	Moor House, Moortown, Leeds.
1908.	FOWLER, HABOLD	Alston, Old Hall Road, Sale, Cheshire.
1914.	FOWLER, RONALD	Staveley Coal and Iron Co., Devon- shire Works, Chesterfield.
1902. G.)	71 77 77	Messrs. Sir Douglas Fox & Part-
1906. A.M.)	Fox, Francis Henry Wright	eners, Cross Keys House, 56 Moorgate St., E.C.
1000 (1)		Messrs. Bryan Corcoran, Back
1893. G.) 1899. A.M.	Fox, Frederick Joseph	Church Lane, Whitechapel, E.; and The Gardens, Leigh Hill,
,		Leigh-on-Sea.
1914.	Fox, Harry Heaselden	Hazel Dene, Moor Drive, Head- ingley, Leeds.
1007	T C	(Manager, Messrs. E. Reader & Sons,
1907.	Fox, Samuel Alexander	Phoenix Works, Cremorne St., Nottingham.
1904.	FRADLEY, HERBERT THOMAS	Messrs. W. & H. M. Goulding, Dublin.
1902.	FRANCIS, ADOLPHUS SYDNEY	Eng., Gas and Water Dept., Town Hall, Clacton-on-Sea.
1905. G.) 1907. A.M.)	Frank, Reginald Alexander	High Hall, Kirby Moorside, Yorks.
1902. G.) 1907. A.M.	FRANKAU, GEORGE NEUBERG	Public Works Dept., Calabar, S. Nigeria.
1912.	Fraser, John Hill	Trincomalee, Ceylon.
1904. G.) 1911. A.M.)		A Company, 18th (Service) Batt. Royal Fusiliers, Woodcote Camp, Epsom.
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1909

Date of Election.

1898. G.) 1902. A.M.)	Fraser, William Stuart	Loco. Supt., B. B. & C. I. Rly., Metre Gauge System, Ajmer, Rajputana, India.
1909.	FREEMAN, JOHN GARNEYS	Res. Engineer, London and St. Katherine's Docks, Wapping, E.
1899.	FREEMAN, WALTER WILLIAM	102 Upper Chaplin Rd., Longton, Stoke-on-Trent.
1902.	FRENCH, FREDERICK CHARLES	Works Manager, Loco. Dept., Govt. Rlys., Colombo, Ceylon.
1911. G.) 1914. A.M.	FREW, DAVID BENNY	66 Leamington Terrace, Edinburgh.
1906.	FROST, GARDINER HENRY	Devonia, 6 Spring View Road, Crookes, Sheffield.
1903.	FROST, HENRY MAURICE	c/o Messrs. Woodall & Duckham, Palace Chbrs., 9 Bridge St., Westminster, S.W.
1903.	FRYER, FREDERICK GEORGE	Messrs. Rowntree & Co., Cocoa Works, York.
1901. G.) 1903. A.M.)	Fryer, John Edwin George	Messrs. Humphreys & Glasgow, 38 Victoria St., Westminster, S.W.
1895. G.) 1901. A.M.)	FRYER, TOM JEFFERSON	Celtic Works, Savile St. East, Sheffield.
1907.	FULLER, ERNEST WILLIAM	EngManager, Harrogate Road Car Co., Harrogate.
1909.	FULLER, GEORGE EDWIN	Aroa, Puerto Cabello, Venezuela.
1912.	FURKERT, FREDERICK WILLIAM	Public Works, Wellington, New Zealand.
1904.	FURNESS, REGINALD LESTER	Messrs. Fraser & Chalmers, Bulawayo, Rhodesia.
1900.	FURNIVALL, WILLIAM HENRY GRAHAM	Fernkraal, 112 Muller St., Bellevue, Johannesburg, Transvaal.

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Byculla, Bombay.

Nenelea, Thorpe Rd., Peterborough.

Manager, Calcutta Hydraulic Press
Co., Cossipore, Calcutta.

47 Birkby Crescent, Birkby, Huddersfield.

Loco. Dept., Great Central Rly.,
Gorton, Manchester.

3 Whitecross Rd., Weston-superMare.

Messrs. Richard Evans & Co.,

Messrs. George Gahagan & Co.,

Messrs. Richard Evans & Co., Haydock, St. Helens. Engineer's Office, Gt. Central Rly.,

Engineer's Office, Gt. Central Rly., Marylebone Stn., N.W. Bagdogra Tea Estate, Bagdogra P.O., Darjeeling, India.

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1913.	GARNER, HAROLD CHARLES	{22 Ansdell St., Cheetham Hill, Manchester.
1 910.	GARRATT, REGINALD JOSEPH	Chief Eng., Calitzdorp Irrigation Board, Calitzdorp, Cape Colony.
1896.	GARRETT, EASTON	Calle Peru 321, Buenos Aires, Arg. Rep.
1890. G.) 1897. A.M.)	GARRETT, FRANK, Jun	Leiston Works, Leiston, R.S.O., Suffolk.
1902.	GARRETT, JOHN DUNNELL	108 Buckingham Palace Road, S.W. (Dist. Loco, Supt., B. B. and
1911.	GARRETT, REGINALD SILLIFANT	C. I. and R. M. Rlys., Bandikui, India.
1898.	GARVEY, RICHARD GODFREY HAMILTON	5 Ellington Rd., Cranley Gardens, Muswell Hill, N.
1909.	GARVIE, DAVID	Govt. Offices, Victoria Sq., Adelaide, S. Australia.
1901. G.) 1903. A.M.)	GASKELL, HOLBROOK, Jun	Chief Eng.'s Office, United Alkali Co., Widnes.
1907.	GASPAR, GREGORY HUGH WALTER	Messrs. Crompton & Co., 42 Deansgate, Manchester.
1909.	Gass, Edward Mellor	Locomotive Department, Lancs. & Yorkshire Railway, Horwich, Lancs.
1912.	Gaunt, John Waugh	Gun and Shell Factory, Cossipore, Bengal, India.
1904.	GAVEY, ARTHUR	Fairlight, Hampton Wick, Middle- sex.
1913.	GAVIN, NORMAN ALEXANDER	Société Anonyme des Huileries du Congo Belge, Kinshasa, Belgian Congo.
1902.	GEACH, LEWIS CECIL	Locomotive Dept., Mid. Railway, Derby.
1905.	GEARING, HARRY CHARLES	Atlas Works, Cape Town, Cape Colony.
1908.	GEMMEL, JAMES WARWICK	Georgetown Water Works, Georgetown, Demerara, British Guiana.
1900.	GEORGE, JAMES MACNAUGH-	Gourepore Co., Gourepore, Calcutta.
1906.	George, William Thomas	35 Shardeloes Rd., New Cross, S.E.
1909.	GIBBONS, JOHN WILLIAM	Deputy Signal Supt., Egyptian State Railways, Cairo, Egypt.
1903. G.) 1907. A.M.	GIBBONS, NORMAN BARRING-	Armament Buildings, Whitehall, S.W.
1907.	GIBBS, ALECK ROBERT	103 Tierney Rd., Streatham Hill, S.W.
1911. 1912.	GIBBS, GEORGE HERBERT	Stynechale Avenue, Coventry.
	GIBBS, JOHN EDWARD GIBSON, HARRY FREDERIC	68 Heslington Road, York. Chatham House, Machen, New-
1913. A.M.		port, Mon.
1907.	GIBSON, WILLIAM	United Engineers Ltd., Singapore, Straits Settlements.
1911.	GIBSON, WILLIAM EWART	65 Manor Road, Richmond, Surrey.
1913.	GILBERT, GEORGE	15 Crescent Road, Luton.
1905.	GILCHRIST, JAMES ARCHIBALD ROBERTSON GLEN	Eng., Tientsin Water Works Co.,
1914.	GILL, CHARLES ARNOLD	Municipal Offices, Peterborough.

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1910.	GILL, FREDERICK JOHN	Nobel's Explosives Co. Ltd., Pembrey Factory, Pembrey, Burry Port, Carmarthenshire.
1907.	GILL, HAROLD	Merlimau Estate, Malacca, Straits Settlements.
1910.	GILL, JAMES FRANCIS	Scottish Provident Buildings, 25
1908.	GILL, RICHARD DUNCAN	Castle Street, Liverpool. Market Place, Camborne.
1000.	Cilili, Italian 20110111	(Instruction Dept., International
1915.	GILLESPY, GEORGE THOMAS	Correspondence Schools, International Bldgs., Kingsway, W.C.
1913.	GILLETT, THOMAS	Messrs. Gillett, Stephen & Co., Atlas Works, Bookham, Leather- head.
1909.	GIMSON, ARTHUR	Eldon Street House, Eldon St., E.C. (Messrs. Gimson & Co. (Leicester),
1904. G.) 1909. A.M.)	GIMSON, HAROLD	Engine Works, Vulcan Rd., Leicester.
1900.	GINDERS, ERNEST MARSH	45 Park Road, Walkden, Man- chester.
1911.	GIRLING, ARTHUR	Messrs. Ransomes, Sims & Jefferies, Orwell Works, Ipswich.
1905.	GIRLING, HARRY MORTON	Retreat Club, Silchar, Cachar, India.
1915.	GLADWYN, ALLEN EDWARD	Municipal Technical Institute, West Ham, E.
1902.	GLEDHILL, ARTHUR HENRY	Trinity Works, Halifax.
1907.	GLEN, DAVID	Manager, Messrs. Brown & Polson, Paisley.
1907.	GLENDAY, CHARLES	Associated Portland Cement Manufacturers, Park House, Gravesend,
1913.	GLOVER, WILLIAM ALFRED	Stone, Fixby, Huddersfield.
1912.	Goddard, Harold Percy	6, Westbury Road, Woodside Park, North Finchley, N.
20121 21111)	GODDARD, WILLIAM CORY	(2nd Lieut.), 8th Army Corps Mining Co., Mediterranean Expedy. Force.
1896. G.) 1901. A.M.)	GODDARD, WILLIAM HERBERT	12 Canning Road, Croydon.
1902.	GOLDARBEITER, JOSEPH LEO-	21 Nevsky, Petrograd, Russia.
1912.	Golder, James	38 Rosenthal Road, Catford, S.E.
1911.	Goldie, Alexander	Post Office, Kuala Kangear, Perak, F.M.S.
1902.	Goldie, Robert Murdoch	United Engineers Ltd., Singapore, Straits Settlements.
1898.	GOLDING, HENRY ALBERT	River View, 8 Maidstone Rd., Chatham.
1902.	Golledge, William Thomas	4 Dordrecht Mansions, Brook Green, Hammersmith, W.
1912.	GOODACRE, ERNEST JOHN	Rising Sun Petroleum Co., Yoko- hama, Japan.
	GOODBEHERE, ERIC	Messrs. Brooks and Doxey, Man- chester.
1909.	GOODCHILD, FRANK SIDNEY BOXALL	The Lodge Ramesbury Road, St. Albans.
1908.	GOODCHILD, GEORGE WILLIAM PEPYS	56-58 Eagle Street, Southampton Row, W, C.

Date of	Election.		
1910.	GOODMAN, JOSEPH		3 De Burgh Crescent, West Drayton, Middlesex.
1905.	GOODWIN, ROBERT		(Rua Pedro Nunes 29, Lisbon, Portugal.
1907. 1913.	A.M.) GOODYEAR, DICK CLAUI	DE	Engineer's Dept., South Essex Waterworks Co., Romford.
1913.	GOOSEY, SYDNEY WILL	ıs	St. George's Iron Works, 42 St. George's Rd., Southwark, S.E.
1906.	HAMILTON		L. C. C. Fire Brigade, Southwark, S.E.
1907.	Gordon, Eng. LieutC Henry Hudson, R.N		H.M.S. "Superb," c/o Postmaster General, E.C. (Messrs. James Gordon & Co.,
1898.	Gordon, James		Canada House, Kingsway, W.C. [Gordolobo, London. Holborn 1195.]
1897.	Gordon, John Wilton		Messrs, John Gordon & Co., Dashwood House, 9 New Broad St., E.C.
1906. 1910.	A.M. GORDON, VIVIAN		Avonside Engine Works, Fishponds, Bristol.
1911.	GORDON, WILLIAM		3 Wellington Street, Edinburgh.
1912.	Gosford, Albert Thom	IAS	Messrs. Richardson and Cruddas, Byculla Iron Works, Bombay.
1910.	GOSTWYCK, HUMPHREY FORD GOSTWYCK		Singapore Municipality, Singapore, Straits Settlements.
1913.	GOUDIE, HARRY JAMES		26 Argyle Place, Edinburgh.
1907. 1897.	GOULD, HEBBERT THOM G.) GOULDING, BENJAMIN J		15 Leicester Road, Croydon. (Linotype and Machinery, Ltd., 188
1901. 1899.	A.M.) JOHN	** ** TETTO	Fleet St., E.C. 33 Cranbrook Rd., Redland, Bristol.
		WIII	(British Eng. Boiler & Electrical
1907.	Gow, John Biggart	•• ••	Insce. Co., 24 Fennel St., Man- chester.
1909.	GOWER, CHARLES WILL	XINSON {	Excelsior Engineering Works, Jamaica Road, S.E. (Underfeed Stoker Co., Royal
1905.	GOWER, WILLIAM EDWA	ARD	London Bldgs., 196 Deansgate, Manchester.
1910.	GRAEME, ALEXANDER W	ILLIAM	Central Workshops, F.M.S. Railways, Kuala Lumpur, Selangor, F.M.S.
1912.	Graham, Ernest		(2nd Lieut., R.F.C.), c/o Officer Commanding, Reserve Aircraft Park, R.F.C., Farnborough,
1907. 1915.	A.M.) GRAHAM, JACK CURTIS	{	Hants. 76 Upper Gloucester Place, Dorset Square, N.W.
1 912.	Graham, James	{	c/o Mines Office, Kuala Lumpur, Selangor, F.M.S.
1905.	GRAHAM, THOMAS	}	Messrs. H. A. Davie Ltd., Holmeside, Sunderland.
1912.	GRANDAGE, NORMAN	ALEX-	56 Oakfield Rd., Clifton, Bristol.
1901.	GRANT, DANIEL JOHN		Messrs. Harland & Wolff, Queen's Island, Belfast.
1910.	GRANT, JOHN	{	Dunlop Rubber Co., Para Mills, Aston Cross, Birmingham.
1896.	GRANT, WILLIAM		Messrs. Workman, Clark & Co., En-
	,		gine Works, Queen's Rd., Belfast.

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Date of	Election.	
1909.	GRANT-MORRIS, WILLIAM HARDWICKE	Chief Mech. Eng., Cairo Water Works, Cairo, Egypt.
1904.	GRAVELL, ARTHUR	Nahan Foundry, Nahan, near Um-
1912.	GRAY, ARCHIBALD	balla, Punjaub. Vale Cottage, Epsom Rd., Guildford.
1911.	G . T	Government Factory, Colombo,
1911.	GRAY, JAMES	Ceylon.
1907.	GRAY, JOHN WILLIAM	Mech. Dept., S. African Rlys., Durban, Natal.
1907.		Yacht "Lydia," Ferry Yard, Itchen,
1913. 1907.	A.M.) GREAVES, LOUIS VINCENT	Southampton. 10 Apsley Ter., King Cross, Halifax.
1904.	GREAVES, WILLIAM	69 Cross Hill, Ecclesfield, Sheffield.
1000	Chara Panyana Togen	Chief Engineer, Drainage and Waterworks, Town Hall, Kidder-
1902.	Green, Bernard Joseph	minster.
1911.	GREEN, GEORGE ALAN	Fifth Avenue Coach Co., 31 West
1907.	G.) GREEN, GEORGE WILFRID)	42nd St., New York, U.S.
	A.M. ACLAND	54 Manor Road, Rugby.
1912.	GREEN, RONALD	10 Lime Grove, Old Trafford,
1010	C	Manchester. Castner Kellner Alkali Co., Run-
1913.	Green, Thomas	corn.
1900.	GREENE, FRANK ABNOLD	3 Miles Lane, E.C. [Fagreeneer, London. London Wall 7683.]
1910.	GREENE, ROBERT CECIL EUS-	The Assam Co., Nazira, Upper
	TACE	Assam, India.
1912.	GREENFIELD, JOHN GREENLAND, HAROLD FRANCIS	4 Rondu Road, Cricklewood, N.W. Commercial Cars Ltd., Biscot
1913.	(ALBERT	Road, Luton.
1912.	GREENSHIELDS, CHARLES DAVID	Royal Siamese State Railways, Southern Line, Singora, Siam. Via Penang and Trang.
1906.	GREENWOOD, VLADIMIR ED-	(c/o A. Baines, 30 St. John St.,
1300.	\ WARD	Lichfield.
1914.	GREGORY, ERNEST	Messrs. Wearden & Guylee, North- gate, Bradford.
1912.	GREGORY, HUGH HAMILTON	Royal Automobile Club, Pall Mall, S.W.
1904.	GREGSON, BRYAN PADGETT	13 Dunsford Place, Bath.
1910.	Greig, Arthur	(Engineering Branch, P.W.D., Philip St., Sydney, N.S.W.
1909.	A.M. GREW, FRANK HOWARD	Chief Eng., Elliott's Metal Co., Selly Oak Works, near Birming-
1911.	, and the second	ham.
1914.	Grey, Henry	(Messrs. Edgar Allen & Co., Imperial Steel Works, Sheffield.
1010	C	Chief Eng., Provincial Cinemato-
1913.	GRIEBSON, RONALD	graph Theatres Ltd., 199 Picca- dilly, W.
1915.	GRIFFITH-JONES, JOHN	101-2 Exchange Buildings, Bir-
1010.	GRIFFIII-JONES, JOHN	mingham.
1913.	GRIFFITHS, DAVID NATHANIEL	Verdin Technical School, North- wich.
1904.		1-3 Ludgate Sq., Ludgate Hill, E.C.
	(DITH	[Hibou, London. Bank 5423.]
1912.	GRIFFITHS, HERBERT ROBERTS	Common, S.W.

1904.	GRIFFITHS, RALPH STANLEY	{11 Addison Court Gardens, Kensington, W.
1906. G. 1913. A.M.		27 Barnfield Road, Exeter.
1910.	GRIGGS, JOHN WILLIAM	2 Seymour Gardens, Ilford.
1912.	GRIMWOOD, BERTIE CONSTAN- TINE RUFFELL	(2nd Lieut.), A.D.C. to the Brigadier General, Headquarters, 32nd Divisional Artillery, British Ex- pedy. Force.
1903. 1905.	GROOM, ISAAC STEPHEN WEST GROSE, FRANCIS HOWARD	6 Lawn Rd., Doncaster. 8 Naval Terrace, Sheerness.
1902.	GROUNDWATER, ALICK GEORGE	The Cottage, Stoneywood, Bucks- burn, Aberdeen.
1895.	GROUNDWATER, SAMUEL	Honam, 17 Grosvenor Rd., Bourne- mouth.
1909. G.) 1913. A.M.)	GROUNDWATER, WILLIAM CHARLES PURVIS	3 Orchard, Cottages, Half Yoke, East Farleigh Maidstone.
1895.	GROVES, MONTAGUE	Nelly Mine, Insiza, Rhodesia, S.A.
1913.	GULLEN, WILLIAM BRETTELL	Aeronautical Inspection Dept., 13 Albemarle St., Piccadilly, W.
1900. G.) 1903. A.M.)		99 Southwark Street, S.E.
1911.	Gundry, Arthur Robert	Eastern Bengal State Rly., Kan- chrapara, India.
1908.	GUPTA, JATINDRA KUMAR DAS	District Engr., Pabna, Bengal, India.
1912.	GURMIN, ERNEST WILLIS	Messrs. Braithwaite and Kirk, Crown Bridge Works, West Bromwich.
1910.	GURNEY, THOMAS	Equitable Bldgs., 350 George St., Sydney, N.S.W.
1913.	GUSH, Eng. LieutCommr. ARTHUR SYDNEY, R.N., ret.	H.M.S. "Phœnix," c/o Postmaster General, E.C.
1909. G.) 1914. A.M.)	GUTHRIE, ALEXANDER GORDON	Messrs. J. and E. Hall, Iron Works, Dartford.
1908.	GUTHRIE, THOMAS	Messrs. William Little & Sons, 77 & 79 Pitt St., Edinburgh.
1910.	GUTIERREZ, RICARDO JOSÉ	Estacion Martinez, F.C.C.A., Argentine Republic.
1906. G.) 1912. A.M.)	Guy, Henry Lewis	52 Albany Road, Victoria Park, Manchester.
1913.	GYTON, FREDERICK GEORGE	41 Pulteney Rd., South Woodford, N.E.

1906. 1912.	A.M. HAAN, PETER DE	9 Via Parini, Milan, Italy.
1914.	HABELL, FRANK STANNAH	17 Gilston Rd., South Kensington, S.W.
1899.	HADLEY, WILLIAM PEARCH HOLBROW	E Kalacherra Tea Co., Jafferbund
1905.	HADWEN FORDERICK WATTE	P Kohroud Milla near Halifay
1911.	HAFFENDEN, ARTHUR GEORGE	Messrs. Kynoch, Witton, Birming-

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1910.	Haggas, William Selkirk	Messrs. H. W. Petrie, Front St., Toronto, Ont., Canada.
1909.	Haigh, James Harold	Loco. Dept., Lancs. & Yorks. Rly., Horwich, Lancs.
1902.	Hailey, Frank Percival	Asphalte and Cement Co., Com- mercial Street, Birmingham.
1899. 1902.	A,M. HALE, HAROLD	4 & 5 Adam Street, Adelphi, W.C.
1915.	Hale, Harold Godfrey	Messrs. Samuel Fox & Co., 1 Victoria Street, Westminster, S.W.
1902.	HALER, PERCY JAMES	17 Mornington Road, Ching-
1911.	Hall, Alfred Edwin	The Vicarage, Stockbury, Sitting- bourne.
1896.	Hall, Benjamin James	Fieldend Lodge, Eastcote, Pinner, Middlesex.
1902.	HALL, JOHN EDWARD	5 Jinkee Rd., Shanghai, China.
1913.		(Tyndale, St. John's Road, Old
1919.	HALLOWELL, WILLIAM	Trafford, Manchester.
1912.	HALLY, GEORGE	Sun Power Co., Friar's House, New Broad St., E.C.
1905.	Hamblin, Henry Joel	Chief Eng., Oakhill Brewery Co., Oakhill, Bath.
1913.	Hamblin, Walter George	16 Overadale Road, Fishponds, Bristol.
1903.	Hamilton, Alexander, Jun.	Chief Eng., Bacares Iron Ore Mines, Seron, Almeria, Spain.
1907.	HAMILTON, ARCHIBALD GIL-	Messrs. Saxby & Farmer, 465 Calle Defensa, Buenos Aires, Arg. Rep.
1913.	Hamilton, Benjamin Henry Noël Hans	High Legh, Leopold Avenue, Wimbledon Park, S.W.
1913.	HAMILTON, FREDERICK BROAD-	24 Devonshire Place, Brighton.
1902. 1906.	G.) HANTIMON GAVIN TANKE	Messrs. Wilson, Sons & Co., Bahia, Brazil.
1901.	Hamilton, Thomas Fulton	Carron Iron Works, Carron, R.S.O., Stirlingshire.
1914.	Hamlin, Ernest John	P.O. Box 17, Stellenbosch, Cape Colony.
1912.	HAMMETT, DARCY HESSELTINE	Crown Fuel Works, Roath Dock, Cardiff.
1915.	Hampton, James	Messrs. J. I. Thornycroft & Co., Woolston Works, Southampton.
1914.	HANDCOCK, HENRY CHARLES	Northam, 140 King's Hall Road, Beckenham, Kent.
1910.	HANDCOCK, REGINALD HENRY	Clarens, Hansol Rd., Bexley Heath, Kent.
1903.	HANDY, CHARLES EDWARD	Principal, The Technical College, Darlington.
1911.	Hansford, John Bales	Gas Works, Albert Road, New Barnet.
1912.	Hanson, James	Torquay, St. James Avenue, Sutton, Surrey.
1910.	HARBEN, GEORGE ALFRED	Messrs. Heatly & Gresham, 110 Cannon St., E.C.
1903.	HARDIE, EDWARD PETER	Law Accident Insurance Society, 215 Strand, W.C.
1905.	HARDMAN, FREDERIC	Oakleigh, Ogden Rd., Bramhall, Stockport.
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1912.	HARDMAN, JAMES HERBERT	Messrs. Garner, Telford and Hard- man, Perseverance Iron Works, Pendleton, Manchester.
1901.	Hardwick, Eustace James	Messrs. W. H. Willcox & Co., 23 Southwark St., S.E.; and 111 Fox Lane, Palmer's Green, N.
1912.	HARDWICKE, JOHN AUGUSTUS VIGOR	Caixa Postal 76, Santos, Estado de São Paulo, Brazil.
1902.	HARDY, JAMES HENRY	Culver Street, Halifax; and 18 Summergate Place, Halifax.
1913.	HARGREAVES, WILLIAM	Lancashire Dynamo and Motor Co., Manchester.
1898.	HARLING, WILLIAM	Clarksfield, Lees, Oldham.
1903. G.)	HADITES WITTER Travers	(Ivy House, Cwmpennar, Mountain
1910. A.M.	HARLISS, WILLIAM LEWIS	Ash, Glam.
1897.	Harlow, Bernhard Schäffer	Heaton Norris Brass Works, Stock- port.
1911.	HARPER, JAMES	Messrs. Seebohm and Dieckstahl, Dannemora Steel Works, Shef- field,
1904. G.)	TI TI	(Messrs. Thomas Robinson and
1912. A.M.	HARRIS, ALBERT EDWARD	Son, Railway Works, Rochdale.
1908. G.)	Happy Corry Happy	Sturtevant Engineering Co., 147
1914. A.M.	HARRIS, COLIN HARMAN	Queen Victoria St., E.C.
1899. G.)	Happy Phayers Charles	((Sapper, No. 62), No. 1 Field Com-
	HARRIS, FRANCIS GRAHAM	pany, Sect. 3, Royal Naval Divn.,
1903. A.M.)	REYNOLDS	Divl. Engineers. Serving abroad.
1912.	HARRIS, VINCENT GEORGE	Cliftville, Hazelwood Lane, Palmer's Green, N.
1912.	HARRIS, WILLIAM AUGUSTUS	Chief Mech. Eng., St. Lucia Usines and Estates Co., Castries, St. Lucia, W. Indies.
1901.	HARRIS, WILLIAM ROBERT ALEXANDER	Messrs. Thomas & Green, Soho Paper Mills, Wooburn, Bucks.
1913.	HARRISON, CHARLES WESTER-	39 Wood Street, Greenfields,
	(Han. Description	Shrewsbury.
1912.	HARRISON, DOUGLAS ROY DILWORTH	The Briars, Longfield, Kent.
1910.	HARRISON, ERNEST YOUNG	Borough Surveyor, Municipal Offices, Guildford.
1912.	HARRISON, GEORGE	Kelvin, Yarborough Road, Lincoln.
1905.	HARRISON, RICHARD	Eng., Water Works, Hornsea, Hull.
1912.	(HARRISON, WILLIAM GOLDS-	(Prudential Chambers, Middles-
1912.	HARROP, WILFRED MARSHALL	brough. (Supt. Engr., West Riding County
1310.	HARROP, WILFRED BIARSHALL	Asylum, Wakefield.
1904.	HART, HERBERT ALFRED	Cardiff Rly. Co.'s Works, Bute Yard, Tyndall St., Cardiff.
1912.	HART, WILLIAM BARNARD	Metropolitan Water Board, Brixton Hill, S.W.
1906.	HART, WILLIAM HENRY	60 Montague Road, North End, Portsmouth.
1903.	Hartley, Herbert Anderson	Messrs. Reavell & Co., Ranelagh Works, Ipswich.
1911.	HARTLEY, JOHN HENRY	6 Boulevard Jules Ferry (XI.), Paris.
1905.	Hartness, John Anton	Jones and Lamson Machine Co., Jubilee Bldgs., 97 Queen Victoria St., E.C.

1916.	ASSOCIATE MEM
Date of Electio	n.
1908. G. 1913. A.M.	
1911.	HARVEY, RALPH
1911.	HARVEY, WILLIAM CLAYTON {
1915.	HARVEY, WILLIAM HARRY THEODORE
1897.	HARWOOD, ROBERT HENRY {
1912.	Hasendahl, Walther
1907.	Hasselkus, John William {
1904. G.	HASWELL, JOHN FREDERICK {
1910. A.M. 1909. G.	(
1915. A.M.	
1902. G.	HATFIELD, KENNETH GEORGE
1910. A.M.	STACY
1908.	HATFIELD, WILLIAM HERBERT, D. Met
1901.	HATSCHEK, EMIL {
1910.	HATTON, JAMES
1902. G. 1906. A.M.	HATTON, ROBERT ANDREW
1900.	HAUGHTON, GEORGE BAYLY
1909.	HAVILLAND, GEOFFREY DE
1913.	Hawes, John Walter Henry
1912.	HAWKINS, BURTON TYAS {
1899. G. 1903. A.M.	HAWKINS, ELYOT SYDNEY {
1912.	HAWKINS, HERVEY CARLETON
1902. G. 1905. A.M.	Hawkins, John Charles
1901.	Hawkins, Lawrence Gran-
1897.	Hawkins, Thomas Spear <
1912.	HAYDON, GERALD SUMMER-
1901. G. 1905. A.M.	HAYES, HERBERT CHARLES
1010	Harring Tourney Tourn

LUXU.		ASSOCIATE MEA	IDEAS.
Date of	Election.		
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1908. 1913.	A.M.}	HARTREE, RAYMOND	Assist. Loco. Supt., N.W. State Rly., Multan, India.
1911.		HARVEY, RALPH	Messrs. Harland & Wolff, Govan, Glasgow.
			(Congulting Fing to Magmanian
1911.		HARVEY, WILLIAM CLAYTON	Consulting Eng. to Tasmanian Govt., 56 Victoria St., West- minster, S.W.
			(Propos Aires & Davide Pailway
1915.	•	HARVEY, WILLIAM HARRY THEODORE	Buenos Aires & Pacific Railway, "La Ruca," Atalwa Roca 118, Junin, F.C.P., Arg. Rep.
4005		TT De TT	(Reval, St. Anne's Rd. East, St.
1897.		HARWOOD, ROBERT HENRY	Anne's-on-Sea, Lancs. Allis-Chalmers Mfg. Co., Rialto

1912.		HASENDAHL, WALTHER	Building, San Francisco, Cal., U.S.
			Messrs. Ross, 3 North Side, Clap-
1907.		Hasselkus, John William	ham Common, S.W.
1904.	G.)	TT To Th	(Eastern Exchange Hotel, Port
1910.		HASWELL, JOHN FREDERICK	Said, Egypt.
			(Dara, Espe
1909.	G.)	HATCH, WILLIAM ASHTON	10 Blyth Road Bromley Kent
1915	A.M.	HATCH, WILLIAM ASHTON	10 Blyth Road, Bromley, Kent.
		HAMMER D KINDSON	(Magana Cragglar Pres 190 and 141
1902.		HATFIELD, KENNETH GEORGE	Messrs. Crossley Bros., 139 and 141
1910.	A.M.	STACY	Queen Victoria St., E.C.
		(HATFIELD, WILLIAM HERBERT,	Manager, Messrs. John Crowley &
1908.			Co., Meadow Hall Iron Works,
		D. Met	
			Sheffield.
1001		T T	Messrs. S. Bornett & Co., 19 St.
1901.		HATSCHEK, EMIL	
			Dunstan's Hill, E.C.
1010		TT.	(13 Maple Avenue, Chorlton-cum-
1910.		HATTON, JAMES	Hardy, Manchester.
			Liardy, manchester.
1902.	G.)	II.	Messrs. W. T. Henley's Telegraph
		HATTON, ROBERT ANDREW	
	A.M.	6 5	Works Co., North Woolwich, E.
1900.		HAUGHTON, GEORGE BAYLY	30 St. Mary-at-Hill, E.C.
1909.		HAVILLAND, GEOFFREY DE	Woodcote, Edgware, Middlesex.
10000		IIA TIDIAND, CHOPPINEL DE	Troodcotte, Hugware, Hildulesea.
			(Messrs. Wakelins Ltd., 5 & 7
1913.		HAWES, JOHN WALTER HENRY	{ Tottenham St., Tottenham Court
TOTO.		TIANTES, COIL WADIEN TIENT	
			Rd., W.
			Power House Supt., Electricity
1912.		HAWKINS, BURTON TYAS	Wanta Ct Tile T
			Works, St. Helens, Lanes.
1899.	G.)	TT C	Genl. Manager, Colne Valley Rly.,
		HAWKINS, ELYOT SYDNEY	
1905.	A.M.		Halstead.
1010		TI.	Mond Nickel Works, Clydach, S.O.,
1912.		HAWKINS, HERVEY CARLETON	Glamorgan.
1000	0		
1902.	G. \	HAWKING TOWN CHARLES	Irrigation Dept., Cradock, Cape
1905	A.M.)	Hawkins, John Charles	Colony.
2000.			
		(HAWKINS, LAWRENCE GRAN-	(Messrs. Harker Sumner & Co., 16
1901.			{ Largo do Corpo Santo, Lisbon,
		VILLE	
			Portugal.
			(Morro Velho, Villa Nova de
1897.		HAWKING THOMAS STEAD	
1091.		HAWKINS, THOMAS SPEAR	Lima, Bicalho, Minas Geraes,
			Brazil.
		(HAYDON, GERALD SUMMER-	Res. Eng., Usina Electrica, F. C.
1912.			Oeste, Dock Sud, Segunda Sec-
		BELL	
			cion, Buenos Aires, Arg. Rep.
4004	0.		(Messrs. Rosser & Russell,
1901.	G.)	HAVE HERRED CHARTES	
1905	A.M.)	HAYES, HERBERT CHARLES	Cabinet Chbrs., Basinghall St.,
2000	Leader)		Leeds.
1913.		HAYES, JOSEPH JOHN	(82 Claude Rd., Chorlton-cum-
TOTO.		ALIELAND, OCIDALE OCILIE	Hardy, Manchester.
			,

1909.	HAYMES, CARLOS	Carlos Pellegrini 1536, Buenos Aires, Arg. Rep.
1909.	{HAYTON, CHARLES EDWIN PICKLES	Aires, Arg. Rep. Dawlish Road, Chorlton-cum- Hardy, Manchester.
1900.	HAYWOOD, ARTHUR ROBERT	(Loco. Supt., Longitudinal Rly. of Chile, Vallenar, Chile.
1908.	HAYWOOD, TROMAS ELI	(Messrs. McKenzie & Holland, 58 Victoria Street, Westminster, S.W.
1901. G.) 1907. A.M.)	HEAD, WALTER GEORGE	S. Metropolitan Gas Co., 709 Old Kent Road, S.E.
1896.	HEATH, CHARLES LEWIS ECLAIR	Principal, Rutherford Technical College, Newcastle-on-Tyne.
1913.	HEATH, GEORGE ANDREW	Messrs. Heath & Co., Observatory Works, Crayford, Kent.
1904. G.) 1908. A.M.)	HEATHCOTE, EDGAR HORACE	Lloyds Bank Buildings, Man- chester.
1908.	HEMER, WILLIAM HENRY	Principal, Salt River Technical Institute, Dryden St., Salt River, Cape Town.
1897.	HEMINGWAY, ALFRED	Govt. Rlys., Kalgoorlie, Western Australia.
1902.	Henderson, Donald Douglas	70 Gracechurch St., E.C. [Inder-daad, London. Central 9187.]
1913.	HENDERSON, FRANK WELLS	China General Engineering Co., Shanghai, China.
1911.	Henderson, John	Guiana Gold Co., St. Mary's, Konawaruk, British Guiana.
1901.	Henderson, Robert	Prudential Assce. Bldgs., 48 West Regent St., Glasgow.
1914.	HENDERSON, WILLIAM	Nigerian Government Rly., Lagos, West Africa.
1908.	HENDRY, CHARLES ARTHUR	Messrs. Martin & Co., 6 and 7 Clive St., Calcutta. (27 Civil Lines, Jhansi, U.P.,
1912.	HENNESSY, CHARLES PERCIVAL	(India.
1907. G.) 1912. A.M.) 1912.	HENRIQUES, PHILIP QUIXANO HEPTON, ERNEST STANLEY	Works Manager, Messrs. John H. Wilson and Co., Birkenhead. 120 Alfred Gelder St., Hull.
1915.	HEPWORTH, FRED	Messrs. H. Pontifex & Sons, King's Road, Hay Mills, Bir- mingham.
1910.	HEPWORTH, JOHN WILLIAM	Messrs. Stevensons, Canal Foundry, Preston.
1899.	HEPWORTH-COLLINS, WALTER	Junior Constitutional Club, Picca- dilly, W.
1907. G.) 1915. A.M.	HERIOT, CHARLES ADRIAN MAITLAND	Calle 25 de Mayo 158, Buenos Aires, Arg. Rep.
1904.	HESKETH, THOMAS	42 Castle Hill Avenue, Folke- stone.
1909.	HESKETH, WILLIAM ORME	Highleigh, Rectory Lane, Prest- wich, Manchester.
1907. G. 1910. A.M.	HETHERINGTON, FRANK	24 Brunswick Square, Penrith.
1901.	HEWARD, SIDNEY EDGAR	25 Whitbread Road, Brockley, S.E.
1905.	HEWITT, ARNOLD ERNEST	Bowling Boiler Works, Bradford.
1907.		Eng. Dept., Messrs. Brunner Mond & Co., Northwich.

1906.	G. HEYNSSENS, JOSEPH	12 Rue Haut Port, Gand, Belgium.
1913.	(HIBBERT, JOHN PERCY MAG-	Resident Engineer's Office, Tilbury Dock, Tilbury, Essex.
1910.	HICK, BENJAMIN	Cleve Hall, Champion Hill, Den-
1908.	HICK, CHARLES	1 mark Hill, S.E. 47 Mount Stuart Square, Cardiff.
1900.	Hicks, Fredrick George	Dee Side, 61 Grafton Road,
		(Metropolitan Sewerage Dept.,
1912.	HICKSON, CHARLES HAMILTON	Perth, Western Australia.
1906.	Higgins, Charles Francis	3 Central Bldgs., Westminster, S.W.
1905.	HIGGINS, EDWARD PANTER	Tyn-y-Rheol, Rooksmoor, Stroud, Glos.
1902.	Higginson, Frank	Eng., Broadstairs Gas Co., Alexandra Rd., Broadstairs.
1914.	HIGGS, HENRY JOSEPH	P.W.D., Esneh Barrage, Esneh, Upper Egypt.
1913.	Higson, Percy Reuben	Messrs. Vickers Ltd., Vickers House, Broadway, Westminster, S.W.
1905.	HILL, ALBERT GEORGE	125 Balsam Ave., Balmy Beach,
1909.	A.M. HILL, HAROLD	Messrs. Dobson and Barlow, Kay Street Machine Works, Bolton.
1912.	HILL, JOSEPH	Water Works, Sheerness.
1910.	HILL, SIDNEY FRANCIS	15 Cleveland Parade, Darlington.
1905.	HILL, THOMAS	47 Terrace Rd., Swansea. 6 Westbourne Grove, Bayswater,
1897.	HILL, WALTER CHARLES) W.
1900. 1905.	G. HILL, WALTER HEREWARD	Managing Director, British and Dutch Engineering Co., Soerabaya, Java.
1907. 1913.	A.M. HILLER, LIONEL	Messrs. Tyer & Co., Ashwin Street, Dalston, N.E.
1905. 1911.	A.M. HILLHOUSE, JOHN PATON	Herbert Frood Co., Sovereign Mills, Chapel-en-le-Frith, Stockport.
1914.	HILLMAN, MAURICE JOHN	Assist. Loco. Supt São Paulo Rly., São Paulo, Brazil.
1908.	HILTON, GEORGE MAXWELL BROOKE	Messrs. Heenan & Froude, 4 Chapel Walks, Manchester.
1908.	HILTON, NATHAN LEES	53 Southern Road, Ward End, Birmingham.
1908.	HINCHLIFF, JAMES ARTHUR	Works Supt., Messrs. McKenzie and Holland, Vulcan Iron Works, Worcester.
1902.	HINCHLIFFE, GEORGE WILLIAM	Manor Avenue, Fulwood, Preston.
1912.	HIND, HAROLD ROBERT	75 Cranfield Road, Brockley, S.E.
1915.	HIND, REGINALD SHUTTLE-	Messrs. Richard Hornsby & Sons Ltd., Reddish, Stockport.
1910.	HIND, ROBERT FREDERICK	Verona, Abingdon Drive, Ashton- on-Ribble, Preston.
1010	TT TV T	Works Manager, Messrs. John
1912.	HINDE, WILLIAM JOHNSON	Robson (Shipley), Alexandra Works, Shipley, Yorks.
1905.	HINDLE, ROBERT SIDNEY	40A Hazledene Rd., Chiswick, W.
1911. 1915.		Iona, Broadway, Fairfield, Man- chester.

	Date of Election		
	1913.	HINGSTON, WILLIAM HALCOT	Playden, Chipstead, Red Hill.
	1905.	HIRD, RICHARD THOMAS	Oficina del Ingeniero Sanitario, H. Concejo Provincial del Callao, Peru.
	1915.	HIRST, WILLIAM DOUGLAS	Gun Carriage Factory, Jubbulpore, India.
	1907.	HIRTZEL, CLEMENT HENRY ARMITAGE	(Lieut., R.F.C.), 2nd Aircraft Depôt, Royal Flying Corps, British Expedy. Force.
	1901.	(Hislop, George Robertson,) Jun	
	1907.	HITCHEN, JOSEPH HENRY	126 Crossfield Road, West Green,
	1910.	Hoare, Arthur Richard	South Tottenham, N. 10 Barclay Rd., Croydon.
	1911.	Hoare, Horace James	Messrs. Hoare and Co., Colombo Engineering Works, Colombo, Ceylon.
	1913.	Hobson, John William	Messrs. R. and W. Hawthorn, Leslie & Co., Forth Banks Works, Newcastle-on-Tyne. British Engine, Boiler and Electl.
	1895.	HOCKLEY, NORMAN JULIUS	Insce. Co., 24 Fennel St., Man- chester.
	1906.	Hodge, John	London and Thames Haven Oil Wharves, Thames Haven, Essex.
	1896. G.) 1900. A.M.	Hodgson, George Henry	P.O. Box 616, Sydney, N.S.W.
	1909.	Hodgson, Herbert	Messrs. John Fowler & Co., Steam Plough and Locomotive Works, Leeds.
	1910.	Hodgson, James Thomas	Municipal School of Technology, Manchester.
	1903.	Hodson, Frank Herbert	Belmont, Osborne Road, South Farnborough, Hants.
	1903.	Hodson, Horace Malcolm	7 Hillmarton Road, Camden Road, N.
	1903. G. 1912. A.M.	Hodson, Reginald Cecil	17 Richmond Road, Ilford.
	1915.	Hodson, William James	Majagram Tea Estate, Udarbund P.O., Cachar, India.
	1914.	HOGARTH, LIONEL BREWER	Manager, Whitehaven Electricity Works, Whitehaven.
	1907.	HOGARTH, WILLIAM JOHN	G.W. Rly., Swindon.
	1901.	Hogg, John Thallon	S.A. Railways, Queenstown, Cape Colony.
	1901.	Holbrow, Charles Anthony	Messrs. C. A. Parsons & Co., Milburn House, Newcastle-on-Tyne.
	1902. G.) 1905. A.M.	Holden, Percy	93 High St., Eton, Windsor.
	1914.	Holden, Stephen Moss	42 Bannerdale Rd., Millhouses, Sheffield.
	1910.	Holder, Cecil Harry Elton	Messrs. Vickers Ltd., Vickers House, Broadway, Westminster, S.W.
	1902.	Holland, Bernard Augustus	[17 Victoria St., Westminster, S.W. [Picturable, Vic, London. Victoria 6423.]
,	1906.	HOLLAND, HENRY NORMAN	(Elmhurst, Hermon Hill, South Woodford, Essex.

Date of Election	Election.	
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,	Date of 1	Election.			
	1905.		HOLLAND, LOUIS CARL	{	Rose Cottage, near Station, Durham.
	1911.		HOLLIDAY, THOMAS	{	London County Council, County Hall, Spring Gardens, S.W.
	1907.		Holloway, John	••	Works Manager, North British Diesel Engine Works, South St., Whiteinch, Glasgow.
	1910.		HOLLOWAY, JOHN WILLIAM	•	Engineer's Dept., County Asylum, Lancaster.
	1913.		HOLLOWDAY, ALVERO	••	Messrs. Ruston, Proctor & Co., Sheaf Iron Works, Lincoln.
	1904.		Hollows, Arthur	••	Messrs. Brunner, Mond & Co., Northwich.
	1913.		Holmes, Herbert	'	(United Alkali Co., Tennant's Works, Hebburn-on-Tyne.
	1914.		Holmes, John Dudley		Head Office, Public Works De- partment, Wellington, New Zealand.
	1911.		HOLMES, LIONEL GEORGE		60 Russell Street, Bolton.
	1905.		Holroyde, George Ernest		Pyrmont Refinery, Sydney, New South Wales.
	1903.	G.)	HOLTHOUSE, CHARLES SCRA	F-)	35 Nottingham Place, W.
		A.M.	TON)	
	1905. 1910.	A.M.}	Homan, Arthur Knox	••	Dist. Loco. Supt., E. B. S. Rly. Saidpur, Bengal, India.
Œ	1908.		Homan, Brees van	••	Messrs. Homan & Rodgers, 17 Gracechurch St., E.C.
	1913.	~ .	Homewood, George	••	Rising Sun Petroleum Co., P.O. Box 331, Yokohama, Japan.
	1908. 1910.	A.M.}	HOOPER, SIDNEY HERBERT	• •	6 Slater St., Liverpool.
	1906.		HOPKINS, EDMUND CHARLES	3	52 Holloway Road, N. [Seaman-like, London. North 1463.]
	1906.	<i>~</i> .	Hopkins, George Arthur	••	52 Holloway Road, N. [Seaman-like, London. North 1463.]
	1907.	\	HOPKINSON, ARTHUR		Woodgrange, Station Rd., Briming-
	1912.	A.M.	HORN, BERTRAM		ton, Chesterfield. 60 Spencer Rd., Bedford.
	TOTA:		The state of the s	••	(Supt. Eng., British Cotton Grow-
	1914.		HORNBY, CYRIL	••	ing Association, Ibadan, South Nigeria.
	1906.		HORNE, Professor ALEXAND ROBERT, B.Sc	ER	Robert Gordon's Technical College, Aberdeen.
	1895.		HORNER, JOSEPH GREGORY		45 Sydney Bldgs., Bath.
	1912.		HORSBURGH, GEORGE DONA		(Schlüsselburg Print Works,
			HORSNAILL, WILLIAM OW	• •	Schlüsselburg, Russia.
	1899. 1901.				King Street, Ipswich. (Kenilworth, 47 Galveston Rd., East
		A.M.	HORSNELL, DANIEL THOMAS	3	Putney, S.W.
	1903.		HORTON, LEONARD WILSON	••	Alma Works, Darlaston, Wednesbury.
	1906.		Hosegood, Tom Presant	••	5 Upper Belmont Road, St. Andrews, Bristol.
	1918.		HOSKYNS, OSWALD PEYT	NON	Messrs. Takata & Co., 57 Bishops- gate Street, E.C.
	1914.		Houghton, Alfred John		Messrs. Daniel Adamson & Co., Dukinfield, Manchester.
	1913.		Houghton, Gordon Oldfie	LD	Manager, Gleniffer Motors, Temple Works, Anniesland, Glasgow.

1909.	HOUGHTON, WILLIAM HULME	Res. Mech. Eng., Lancashire County Asylum, Winwick, War- rington.
1903.	Hoult, Wilfred	Siemens Bros. Dynamo Works Ltd., Stafford.
1904. G.) 1910. A.M.	Hour, Robert Charles	89 Rue de St. Cloud, Billancourt,
1907.	HOUSMAN, ROBERT FLETCHER ASTON	Manager, Messrs. Gillett and Johnston, Turret and Clock Factory and Bell Foundry, Croydon.
1904.	Houston, Percival Turner	[57 Gracechurch St., E.C. [Hougalen, London. Central 11396.]
1913.	Houston, Robert	Messrs. Turner, Morrison & Co., 6 Lyons Range, Calcutta.
1914.	HOVELL, HERBERT EDWARDS	Chief Eng., Messrs. S. D. Page & Sons, Machine Brush Works, Wymondham, Norfolk.
1914.	HOVELL, JOHN COATES	Messrs. Alfred Dodman & Co., King's Lynn.
1910.	Howard, Charles Frederick	Colombo Harbour Works, Colombo, Ceylon.
1913. G.) 1915. A.M.	Howard, Ernest James	19 Kempston Road, Bedford.
1911.	HOWARD, JOHN BLENCOWE	Edwardstone, Colchester.
1903. G.)	HOWARD, PERCY	Messrs. Fraser and Chalmers,
1912. A.M.	22011220, 2 2202	Erith, S.O., Kent.
1909. G. 1914. A.M.	Howarth, John	Terrace Road, Tideswell, Buxton.
1914.	HOWELL, ALFRED EDWARD	Uskside Engineering Co., Uskside Works, Newport, Mon.
1914.	HOWELL, CLIVE EARNSHAW	Messrs. Howell and Co., Sheffield.
1914.	HOWELL, ERIC EARNSHAW	Messrs. Howell and Co., Sheffield.
1916.	Howell, Joseph	c/o Mrs. Ward, 15 Gloucester Tee., Westmorland Road, Newcastle-
		on-Tyne.
1915.	Howell, William Sidney	Chief Engr., Law Accident Insurance Society, 215 Strand, W.C.
1913.	Howes, William	92 Abinger Road, Bedford Park, Chiswick, W.
1913.	Howie, Harold Aislabie	Woodhurst, 16 Buchanan Road, Walsall.
1902.	HOYTE, PERCY SIDDONS	Manager, Plymouth and Stone- house Gas Light and Coke Co., Coxside, Plymouth. c/o Messrs. Thos. Cook & Son,
1911.	HUBBELL, ROBERT SANDERSON	Hornby Road, Fort, Bombay, India.
1912.	HUDDLESTON, GEORGE REGINALD GRAHAM	East Indian Rly., Jamalpur, Bengal, India.
1905.	HUDLASS, FELIX WILLIAM ISHERWOOD	26 Westmoreland Road, Barnes, S.W.
1903.	Hudson, Ernest Victor	Wolseley Sheep Shearing Machine Co., Wolseley Works, Witton, Birmingham.
1909.	HUFFAM, WILLIAM TYERS CHRISTOPHER	Messrs. Babcock & Wilcox, Wheelers' Bldgs., Hornby Rd., Bombay.

1000	a >	(Watermanks Engineer's Dept
1903. 1912. A.	G. Hughes, Frederick	Waterworks Engineer's Dept., Town Hall, Merthyr Tydvil.
1913.	(Hugill, Eng. Lieut. René	H.M.S. "Calliope," c/o Post-
1909.	CHARLES, R.N HULL, AMBROSE HARTLEY	master General, E.C. (Mount View, Katary, Nilgiris,
1509.	Holl, Ambrose Harries	Madras.
1907. 1913. A.:	G. Hull, John Francis	Wooler Engineering Co., Old Oak Common Lane, Willesden Junc-
1010. A.	,	tion, N.W. (41 Clifton Avenue, Wembley Hill,
1912.	HULME, WILLIAM	Wembley, Middlesex.
1907. 1913. A.	G. Humm, George Herbert	50 Labonté Avenue, Longueuil, Quebec, Canada.
1896.	G. HUMPHREY, FREDERICK	Messrs. George Humphrey & Co.,
1904. A.	· ·	166 High St., Sevenoaks. 1288 Bristol Road, Selly Oak, Bir-
1907.	HUMPHREYS, HENRY HERBERT	mingham.
1905.	Humphries, Albert	Royal Laboratory, Royal Arsenal, Woolwich.
1905.	Hunt, David Noël	St. Teilo, White Hill, Chesham.
1904.	Hunt, Edward	Dist. Loco. Supt., N. Western Rly., Saharanpur, India.
1914.	HUNT, WILFRID ERNEST	Chief Mech. Eng., Messrs. Topham, Jones and Railton, Singapore,
1914.	HUNT, WILFRID ERNEST	Straits Settlements.
1910.	HUNTER, ALLAN HUGH	19 Wentworth Court, Phillip St., Sydney, N.S.W.
1906.	HUNTER, CHARLES FREDERICK	Factory Dept., Home Office, White-
	·	hall, S.W. 124 & 25 Leadenhall House, 101
1902.	HUNTER, EDGAR LAFAYETTE	Leadenhall St., E.C.
1901. 1903. A.	G. HUNTER, JOHN CHALMERS	Broomhill Lodge, Playden, Sussex.
1905.	HUNTER, JOHN WILLIAM	41 Lancaster Road, South Hamp-
		tead, N.W. Motherwell Bridge Co., 82 Vic-
1908.	HUNTER, JOSEPH MOORE	toria Street, Westminster, S.W.
	G.) HUNTLEY, HORACE FREDER-)	23 Princes Street, Ulverston.
1915. A.I	G)	
1905. A.	- S HINTON WILLIAM	St. Cuthbert's, Bath.
1906.	HURD, MILNER	3 Linden Avenue, Woodseats, Sheffield.
1903.	Hurst, Bertram Lawrance	Craig's Court House, Charing Cross, S.W.
1908.	HURST, CHARLES BENJAMIN	Montgomery Street Garage, Belfast.
1913.	Hursthouse, Dennis Wilson	c/o A.M.P. Society, New Plymouth, New Zealand.
1902.	HURSTHOUSE, ERNEST WILLIAM	Routh's Buildings, Wellington,
1907.	HURT, EDWARD NORMAN	Loco. Dept., Lancs. & Yorks. Rly., Horwich, Lancs.
1908.	HUTCHINS, FREDERICK HENRY	Ordnance College, R.M. Repository,
1911.	HUTCHINS, THOMAS WILLIAM	Woolwich. Electro Bleach and By-Products
1913.	HUTCHINSON, EDWARD GEORGE	Ltd., Middlewich, Cheshire. Carlisle Gas Works, Carlisle.
3043.	23010HILLION, EDWARD GEORGE	Carrier Carrier Carrier

1907. G. HUTCHINSON, GEORGE VICTOR 1912. A.M. VALENTINE	Loco. Dept., Great Southern and Western Rly., Inchicore, Dublin.
1912. Hutchison, Hugh	Messrs. Arrol Johnston & Co., Dumfries.
1912. HUTSON, CHARLES ARTHUR	The Moorings, Wallington, Surrey.
1908. Hutton, Charles Inglis	Dist. Loco. Supt., Burma Rlys. Co., Insein, Burma. (S. Claremont, Boad, Teddington
1912. Hyde, James Henry 1908. Hyne, Harry	8 Claremont Road, Teddington, Middlesex. Messrs. R. Waygood & Co., Fal- mouth Rd., Great Dover St., S.E.
and the second s	mouth Rd., Great Dover St., S.E.

1908.	Iliffe, Reginald Joseph	(21 Oakdale Rd., Mossley Hill, Liverpool.
1902.	INDER, CLARENCE JOHN	[70 Gracechurch St., E.C. [Inder-daad, London. Central 9187.]
1900. G.) 1904. A.M.	INGATE, GEORGE JAMES	Lahad Datu, British North Borneo.
1912.	INGHAM, EDWARD	Woodland Way, Alkrington, Middleton, Manchester.
1913.	Ingham, John Henry	125 North End Rd., Hampstead, N.W.
1915.	INGHAM, WILLIAM JACOB	Supt. of Workshops, College of Engineering, Poona, India.
1903.	INGLE, HERBERT EDWARD	Messrs. Samuel Williams & Sons, Dagenham Docks, Essex.
1913.	INGOUVILLE, PETER	Sociedad Comercial, Calle Rincon, Monte Video, Uruguay.
1906.	Ingram, Anthony Howard	Uskside Engineering Works, New- port, Mon.
1907.	INKSON, NORMAN LEOPOLD	c/o Messrs. Henry S. King & Co., 9 Pall Mall, W.
1903.	INNES, AUGUSTUS MONTAGUE	Messrs. Innes Sons & King, Hart- ford Works, Hitchin.
1912.	INNES, WILLIAM	85-87 High Street, Stratford, E.
1894. G.)	IRONSIDE, WILLIAM ALLAN	Messrs. Bird & Co., P.O. Box 46,
1897. A.M.	The state of the s	Calcutta, India.
1913.	IRWIN, RICHARD STANLEY	Rantau, Negri Sembilan, Federated
		Malay States.
1914.	IRWIN-PACKINGTON, PHILIP	(2nd Lieut., R.G.A.), 36 Siege Battery, R.G.A., British Expe-
TOLY.	TAWEN-I ACKINGTON, I HILLP	ditionary Force.
1906.	ISAAC, GWILYM BERTRAM	Old Foundry, Carmarthen.
1912.	ISAAC, MORRIS TEMPLEMAN	The Nest, Portmadoc.
1911. G.)	,	((Capt., R.E. (T.)), Fort Grain, Isle
1915. A.M.	ISARD, ARTHUR PERCIVAL	of Grain, near Rochester.

D	04	-	20	TOTAL	ecti	-	

1896.	Issigonis, George Demos		The D. Issigonis Works, Smyrna, Turkey in Asia.
1900.	Ito, Kumezo	••	Mitsu Bishi Dockyard and Engine Works, Nagasaki, Japan.
1905. G.) 1914. A.M.	IVATT, HENRY GEORGE		Loco. Dept., L. and N.W. Rly., Crewe.
1909.	IZAT, JAMES HAMILTON	••	Dist. Loco. Supt., Bengal-Nagpur Rly., Khargpur, Bengal, India.

1904.	Jack, James Haddow
1915.	Jack, Thomas
1913.	Jackson, Charles William
1898.	Jackson, Ernest
1 913.	JACKSON, GEORGE JAMES
1913.	{Jackson, George James Februs
1913.	Jackson, John
G ¹⁹¹² . 1915.	G.) JACKSON, RALPH
1898.	Jackson, Robert Hiram
1905.	Jackson, Robert Montréson
1911.	{Jacob, Hugh Frederick Dawson
1911.	James, David
1898.	{James, Henry Haughton} RHODES
1907.	JAMES, WILLIAM LEWIS
1908.	
1902. 1912.	G.) JANTZEN, PAUL HERMANN A.M.) HUDDEN
1912.	JARVIE, WILLIAM MUIRHEAD

Hecla Works, Sheffield. 44 Seymour Road, Astley Bridge, Bolton. Borough Electrical Eng., Electricity Works, King's Lynn. 188 Cornwall Road, S. Tottenham, N. Westbourne, Lake Rd., Fairhaven, Lytham. Messrs. Duckham and Cloudesley, Palace Chbrs., 9 Bridge St., Westminster, S.W. 31 Trafalgar Place, Brynmill, Swan-United Brassfounders and Engrs. Ltd., Empress Foundry, Cornbrook, Manchester. Messrs. Schäffer & Budenberg, Whitworth St., London Rd., Manchester; and Brocton, Cavendish Rd., Kersal, Manchester. Galena-Signal Oil Co., Calle 25 de Mayo 158, Buenos Aires, Arg. Rep. Messrs. Jessop and Co., Clive St., Calcutta. Electrical Engr.'s Office, G. E. Rly., Liverpool St. Station, E.C. 57 London Rd., Ipswich. (Ministry of Munitions, Metropolitan Bank Buildings, Swansea. 298 Camden Road, N.W. Messrs. Siemens Bros.' Dynamo Works, Caxton House, West-

Engineering Dept., Messrs. Behn Meyer & Co., 100 Robinson Rd., Singapore, Straits Settlements.

minster, S.W.

(Hadfield's Steel Foundry Co., East

1915.	JARVIS, Lieut. JOHN BAXTER, A.O.D	c/o Sir Charles R. McGrigor, Bart., and Co., 39 Panton Street, S.W.
1902.	JAYAWARDENA, THEODORE GOD-	
1903.	JEFF, WILLIAM	30 Southgrove Road, Sheffield.
		Messrs. Tangyes, Cornwall Works,
1912.	JEFFERISS, HABOLD EDWARD	Soho, Birmingham.
1914.	Jefferson, Herbert Ferrier	2248 York St., Kitsilano, Van- couver, B.C.
1 913.	JEFFERY, CHARLES FRANCIS	Imphal P.O., Manipur State, Assam, India.
1915.	JEFFREY, CHARLES STEWART	Electrical Engineers Branch, De- partment of Public Works, Sydney, N.S.W.
1906. G.	JEFFREYS, HERBERT WILLIAM	(Messrs. William Warne and Co.,
1910. A.M.		India Rubber Mills, Barking.
1901.	JEFFREYS, RICHARD RICE	P.O. Box 105, Bulawayo, Rho-
	VESEY	desia, S. Africa.
1913.	JELBERT, WILLIAM	Basset Mines, Redruth.
1910. G.	JENKINS, DONALD NISBET	Arfryn, Morriston, Glam.
1913. A.M.	,	
1901. G. 1905. A.M.	S JENKINS MINGAR JACKSON	Manager, Masborough Boiler Works, Rotherham.
1500. A.M.		County Eng. and Surveyor, West
1914.	JENKINS, WILLIAM LIONEL	Suffolk County Council, Shire Hall, Bury St. Edmund's.
1911.	JENNINGS, WILLIAM FREDERICK	Messrs. H. J. West & Co., 72-74
TOLI.		Gray's Inn Road, W.C.
1915.	JERVIS, Capt. BERESFORD CLAY- TON LOCKHART, R.E	27 Brompton Square, Kensington, W.
1910.	JESSON, GEORGE ARTHUR TOUCHET	Endsley, Swinton, Manchester.
1903.	Jewson, Herbert	Works Manager, Messrs. Hobbies, Dereham.
1910.	JEYES, CHARLES FREDERICK	Elm House, Kingsbury Rd., Erd-
	, , , , , , , , , , , , , , , , , , , ,	ington, Birmingham.
1913.	JINASENA, COLOMBEPATABEN- DEGE	Messrs. C. Jinasena & Co., 7 Hunupitiya Rd., Slave Island, Colombo, Ceylon.
		(Messrs. Head, Wrightson & Co.,
1906.	Job, Norris Henry	Teesdale Iron Works, Thornaby- on-Tees.
1910.	JOHNS, THOMAS MACDUFF MACKELOAN	41 George St., Plymouth.
1914.	Johnson, Alba Boardman, Jun	500 North Broad Street, Philadelphia, Pa., U.S.
1912.	JOHNSON, ARNOLD ROBERT	Res. Eng., Penang Hills Rly., Penang, Straits Settlements.
1911. G.	TOUNGON A PROTECTO	22 Dolman Rd., Aston Manor,
1914. A.M.	Johnson, Arthur	Birmingham.
1907.	JOHNSON, BURDETT ROBERT	Tennyson Avenue, King's Lynn.
1911.	Johnson, Ernest Victor	(c/o J. W. Eastwood, 175 Richmond Rd., Cardiff.
1910.	Johnson, Francis	(c/o Post Office, Newport News, Va., U.S.
1908.	Johnson, Francis William	1 Harcourt Road, Alexandra Park, N.
1902.	{Johnson, Frederick Augustus	Castleton Foundry and Engineering Works, Armley Rd., Leeds.

1908.	JOHNSON, FREDERICK SAMUEL LOVICK	Manager and Eng., Piplagool Estates, Chandkhira P.O., Sylhet,
1897.		Assam, India. P.O. Box 224, Bulawayo, Rhodesia,
1091.	Johnson, George	S. Africa.
1910.	Johnson, Herbert Henry	35 and 36 Bedford St., Strand, W.C.
1911.	Johnson, Herbert William	Providence Foundry, Pocket Nook, St. Helens, Lancs.
1908.	Johnson, James	Assist. Loco. Supt., Burma Rlys., Rangoon, Burma.
1906.	Johnson, Percy Stuart	Brades Steel Works, near Bir- mingham.
1902.	Johnson, Philip Henry	Messrs. John Fowler & Co. (Leeds) Ltd., 113 Cannon Street, E.C.
1915.	Johnson, Robert Charles	56 Woodland Terrace, Charlton, S.E.
1894. 1898.	G. Johnson, Walter Wroe	Castleton Foundry and Engineer- ing Works, Armley Rd., Leeds.
1912.	JOHNSTON, ALEXANDER DAVID-	Messrs. Henry Simon, 20 Mount Street, Manchester.
1915.	Johnston, John Albert	Messrs. Samuel Platt, King's Hill Foundry, Wednesbury.
1902.	Johnston, Leonard	Heatherdene, 30 Coombe Road, Croydon,
1913.	Johnston, William Arthur	174 Heaton Park Road, Heaton, Newcastle-on-Tyne.
1903.	JOLLIFFE, CHRISTOPHER HUBERT	Roath, San Sebastian Hill, Colombo, Ceylon.
1913.	JOLLY, JOHN BEARDWOOD	9 High Street, Chorley, Lancs.
1910.	Jones, Arthur Redwald	Works Manager, c/o James Gray, Danvers St., Chelsea, S.W.
1903.	Jones, Charles	Chief Electrical Eng., Metropolitan Rly., Power Stn., Neasden, N.W.
1909.	JONES, CHARLES HAROLD	Jones Motor House, 108 Lothian Road, Edinburgh.
1900. 1913.	Jones, Frank Harding Jones, James Charles	Housham Tye, Harlow. 2 Poplar Avenue, Sandwich.
1911.	Jones, John Ellis	Green Bank, Katary, Nilgiris, Madras.
1907.	JONES, JOHN WALLACE LIVING-	Baltic Chambers, 50 Wellington St.,
	(STONE	Glasgow. King's Court, Colmore Row, Bir-
1902.	Jones, Laurence Alban	mingham. [Tamar, Birming-ham.]
1914.	Jones, Leonard William	Messrs. Robey & Co., Lincoln. ((2nd Lieut., R.G.A.), 19th Siege
1915.	Jones, Percy Lewis	Battery, R.G.A., British Expeditionary Force.
1911.	Jones, Reuben	Messrs. Bartle & Co., P.O. Box 2466. Johannesburg Transvaal
1901.	Jones, Samuel Dawson	Messrs. Bartle & Co., P.O. Box 2466, Johannesburg, Transvaal. Field House, Goscote, Walsall.
1904.	Jones, Samuel Derwen	Batley.
1900.	Jones, Stanley Hunter	Commercial Gas Works, Stepney, E.
1906.	Jones, Stanley Peters	Supt., Liverpool Hydraulic Power Co., 123 Athol St., Liverpool.

	971	
Date		

Surrent Miles		
1913.	Jones, Stanley Walter	(Steel Construction Co., Auckland, New Zealand.
1915.	Jones, Stinton James	65 Nevsky Prospect, Petrograd, Russia.
1901.	Jones, William Edwin	114 Gosberton Rd., Wandsworth
1907.	JORDAN, CECIL WILLIAM	Ashfield, Penlline Rd., Whitchurch,
1900. G.) 1903. A.M.)	Josselyn, Edward	Messrs. A. Ransome & Co., Stanley Works, Newark. [Newark 119.]
1913.	JOYCE, PERCY	c/o M.Mulligan, 95 Worsley Road, Farnworth, R.S.O., Bolton.
1902. 1912.	JUKES, JOSEPH WILLIAM JUPP, WILLIAM DALLAS LONY	Messrs. Geo. Bray & Co., Leeds.
	,	chester.

1911.	KAVANAGH, CHARLES JOSEPH	20 Grove Park Gardens, Chiswick, W.
1904.	KAY, BRUNEL	Broken Hill Chbrs., 31 Queen St., Melbourne, Victoria.
1914.	KAY, CHARLES HERBERT	Messrs. Easton and Johnson, Taunton.
1911.	Kay, John Duncanson	Inspector of Steam Boilers and Machinery, New Westminster, British Columbia.
1914.	KAYE, HERBERT	Heriot-Watt College, Edinburgh.
1902.	KEABLE, ALFRED HENRY	Messrs. Samuel, Samuel & Co., Kobe, Japan.
1912.	KEEGAN, GEORGE HAMILTON	Midland Engineering Co., Middle- burg, Cape Colony.
1909.	KELLAR, JAMES DODDS BALLAN- TYNE	Govt. Marine Surveyor's Office, Singapore, Straits Settle- ments.
1908.	KEMP, ALFRED VINCENT	9 The Grove, Pinner, Middlesex.
1912.	Kemp, Ernest	70 Canford Road, Clapham Com- mon, S.W.
1905.	KEMP, HERBERT JOHN	4 Well Road, Hampstead, N.W.
1899.	KEMPT, Eng. Commander ALFRED RODNEY, R.N	107 Lee Road, Blackheath, S.E.
1912.	KENDAL, ARTHUR BARNHART	Works Manager, Capewell Horse Nail Co., Hadley, Wellington, Shropshire.
1904. G. 1912. A.M.	KENDALL, ALFRED HABOLD	46 Cambridge Road, King's Heath, Birmingham.
1912.	KENDALL, RICHARD	Stroon, Lightburne Avenue, Ulverston.
1912.	KENNEDY, ALBERT VINCENT	Messrs. Stothert & Pitt, Newark Foundry, Bath.

17460 OF ERECTION	•	
1915.	Kennedy, David	{215 Selhurst Road, South Norwood, S.E.
1905.	KENNEDY, JAMES ALEXANDER	Langla Tea Co., Langla P.O., S. Sylhet, India.
1913.	KENNEDY, STUART SAMUEL	(2nd Lieut., R.F.C.), Royal Flying Corps, Officers' Quarters, 0-22, Farnborough Common, Hants.
1905.	KENNEDY, WILLIAM	Messrs. Smith and Kennedy, Aberdeen.
1898. G.) 1901. A.M.	KENRICK, ARCHIBALD, Jun	349 Fountain Rd., Edgbaston, Birmingham.
1908. G.) 1912. A.M.)	KENT-NORRIS, HENRY, Jun.	Works Manager, Eagle Iron Works, Newbury, Berks.
1905.	KERR, PETER WYLLIE	15 Ravensdale Mansions, Crouch End, N.
1912.	KERR, ROBERT PRICE	The Fullagar Engine Ltd., South Shore Road, Gateshead.
1904.	KERR, WILLIAM SCOTT	36 Belgrave Road, Ilford.
1900.	Kersey, Alfred Thomas John	Municipal Technical College, Park Street, Hull.
1899.	KERSHAW, GRINDBOD	Rochdale Munic. Technical School, Nelson St., Rochdale.
1911.	KERSHAW, HAROLD	Avoka, Beddington Grove, Wallington, Surrey.
1897.	KETLEY, CHARLES BOSWORTH	[128 Colmore Row, Birmingham. [132.]
1906.	KETTELWELL, HARRY MASON	9A South Villas, Camden Square, N.W.
1914.	KETTLE, CHARLES HENRY POWELL	Calcutta Tramways Co., 183 Lower Circular Rd., Calcutta.
1912.	KEWLEY, FREDERICK ERNEST	Bristol Engineering Co., Fishponds, Bristol.
1904.	KHALIL, Commander IBBAHIM,	Dockyard Office, Imperial Naval Arsenal, Constantinople.
1912.	KIBBLER, HOWARD	East Ferry Road Engineering Works, Millwall, E.
1906.	KIDNER, ALFRED EGERTON	Edison & Swan United Electric Light Co. Ltd., Ponders End, Middlesex.
1915.	KILPATRICK, THOMAS	Works Manager, Nobel's Explo- sives Co., Haslingden Mills, Has- lingden, Manchester.
1907.	KIMMINS, EDWARD RUSSELL	Dudbridge Iron Works, Stroud, Glos.
1907.	KING, Professor CHARLES ALBERT	Civil Engineering College, Sibpur, Calcutta, India.
1910.	KING, HAROLD CHARLES	Bleak House, Cherryhinton Road, Cambridge.
1911. G.) 1915. A.M.)	KING, HERBERT EDWARD DE COURCY	C/o Chief Engineer of Existing Lines, Railway Dept., Perth, W. Australia.
1904. G.) 1911. A.M.)	King, Horace Henry	Melrose, Launceston.
1906.	Kinghorn, David Morgan	Chief Eng., Boro' of Southwark Electricity Works, Penrose St., Walworth, S.E.
1912.	KINGSTON, CHARLES SYDNEY	7 Ealing Park Terrace, Ealing, W.
1905.	KIRBY, EDWARD JAMES	Messrs. J. & P. Coats, 50 Bothwell St., Glasgow.

Date	of	E	ectle	on.

		(99 Horton Grange Road, Brad-
1912.	Kirby, Joseph Pearson	ford.
1893.	KIRK, PERCY ROEBUCK	Principal, Hackney Institute, Dalston Lane, N.E.
1914.	KIRKBY, ROBERT	Gun and Shell Factory, Ishapur, India.
1909.	KIRKMAN, PERCY DOBSON	9 Nicolas Road, Chorlton-cum-
1902.	G.) KIRLEW, RICHARD LEOPOLD,	Hardy, Manchester. (8 College Road, Winchmore Hill,
1905. A.I		N.
1910.	KISCH, ELLIS ABRAHAM DAVID-	Ailsa Craig Motor Co., Strand-on- the-Green, Chiswick, W.
1011	KISLINGBURY, JOHN WILLIAM	(Loco. Dept., G. W. Rly., Stafford
1911.	(ALLEN	Rd., Wolverhampton.
1010	77 TT M	Hydraulic Engineering Co., Palace
1913.	KITCHENER, HENRY THORNTON	Chambers, 9 Bridge St., West- minster, S.W.
4004		Norfolk House, 7 Laurence Pount-
1901.	KITCHIN, JOHN WILLIAM	ney Hill, E.C.
		(B'ham. & Midland Tramways Joint
1904.	KITCHIN, WILLIAM ARCHIBALD	Committee, Power Station,
	,	Downing Street, Smethwick,
		Staffs. (Oaklands, Queen's Rd., Kingston
1913.	Kitching, John, Jun	Hill, Kingston-on-Thames.
1914.	Knight, George Ernest	Cuba Railroad Co., Camaguey,
TOIT.	MIGHT, GEORGE HAREST	Cuba.
1906.	KNIGHT, STEPHENSON YATES	Langham Court, 89 Avenue Road, Hampstead, N.W.
1908.	KNIGHTS, HENRY NEWTON	19 St. Dunstan's Hill, E.C.
1910.	(KNOTT, Eng. Lieut. BERTRAM) WILLIAM, R.N.	21 Pinfold Road, Streatham, S.W.
1903.	Knowles, George Stanley	57 Victoria Rd., Tientsin, China.
	Knowles, Guy John Fenton	Park Lodge, Albert Gate, S.W.
1905. A.M	4.)	(Manager, Messrs. Hodson, Thomas
1914.	Knowles, John Phillips	& Co., Beech Buildings, Eccles
		New Road, Salford, Manchester.
1905.	Knox, Robert	199 Meadowpark St., Dennistoun,
		Glasgow.
1913.	KNOX, ROBERT GRAHAM	13 Ilchester Street, Belfast. (Suptg. Eng., Messrs. Volkart
1912.	Kohler, Frederic	Brothers, Bombay, India.
		Oficina de Traccion, F. C. B. A. al
1907.	KYLE, ROBERT ARCHIBALD	Pacifico, Florida esq. Cordoba,
		Buenos Aires, Arg. Rep.

1905. G.) 1911. A.M.)	Lacey, Onward Bayes	Assist. Loco. Supt., North Western Rly., Lahore, Punjab, India.
1907.	LACK, CHARLES TIBBIT	Chief Eng., Messrs. Chivers, The Factory, Histon, Cambridge.
1009	LAGRANGE, FREDERIC ALEX-	Martinez F. C. C. A., Buenos Aires,

Date of Election.		
1902. G.)	LAIRD, ANDREW OSWALD	13 Humber F
1909. A.M. § 1902. G. § 1905. A.M. §	Laird, Stanley Morrison	S.E. 49 Lilybank G Glasgow.
1907.	LAITY, HARRY THOMPSON	P.O. Box 413 Transvaal.
1904.	LAKE, HENRY BARKER	Manager, Mar Works, Hamm
1903.	LAMB, SIDNEY ERNEST	N.Z. Co.
1907.	Lambert, Anthony Poignand	Res. Eng., P. Authority, Ne Pierhead, Wap
1911.	Lambert, Charles	45 Kenwood Rd
1915.	Lambert, Charles Douglas	Loco. Carr. an Kowloon-Cant
1906. 1912.	Lambert, James Graham Lambourne, Albert	5 Cork Street, Le 99 Addison Rd.,
1907.	LANCASTER, EDWARD HENRY	14 Sackville St.,
1909.	LANCASTER, SIDNEY DAVID	Messrs. Hunter Bow Road, E.
1906.	Lander, Albert Jesse	Middx. County T Rlys., Guildh
1908.	Lander, Cecil Howard	S.W. Victoria Universi
1913.	LANDON, RALPH WHITTINGTON	Messrs. Crossley shaw, Manches
1909.	Lane, Arthur	Govt. Fire Statio
1905. G.) 1910. A.M.)	Lane, Harry Joseph	Works Manager, Phœnix Engi- brook St., Old
1904.	LANE, NORMAN AUGUSTUS	Central House, Birmingham.
1908. G.) 1911. A.M.	Langdon, Douglas Eckley	Kensey, St. Stepl
		(c/o Messrs, Boul- Cabello, Venez
	Langley, George	49 Bromham Rd.
1906.	Langston, Joseph	$\begin{cases} 110 & \text{Queen's } R \\ W. \end{cases}$
1910.	LANGTON, AUBREY RICHARD	Barrow, Montana don, S.W.
1912. {	Langton, Stephen Wickham Bartlett	Messrs. John I. T Caxton Hous S.W.
1905.	LABKE, WILLIAM JAMES	71 Hillmorton Ro
1901.	LABKIN, FREDERICK STANLEY	Gas Light and 35 Harwood 7 S.W.
1913.	LARKIN, GEORGE FREDERICK	Bowden Wire I Street, Camden
1897.	Larmuth, John Hamilton	Todleben Iron W Cross Lane, Saland 5 Stanley

165 Road, Blackheath, dardens, Hillhead, 32, Johannesburg, Saccharine nbré nersmith, W. ollege, Auckland, Port of London w Works, 1 West pping, E. l., Stretford, Mannd Wagon Supt., ton Rly. (British g Kong, China. eicester. Hove, Brighton. , W. [Lancamoto, i. Gerrard 7919.7 and English, 202 Framways & Light all, Westminster, ity, Manchester. y Brothers, Openster. on, Queen's Road, hina. Messrs. J. J. Lane, ine Works, Cran-Ford Rd., E. 75 New St., hens, Launceston. lton & Co., Puerto zuela. Bedford. Road, Bayswater,

a Road, Wimble-

Chornycroft & Co.,

se, Westminster,

oad, Rugby. d Coke Works, Terrace, Fulham,

Ltd., 37-41 Pratt n Town, N.W. Vorks, Unwin St., lford, Manchester;

y Rd., Irlams-o'th'-Height, Manchester.

1913.	LATHAM, ERNEST	[38 Victoria St., Westminster, S.W. [Civengite, Vic, London. Victoria 7168.]
1912. G. 1914. A.M.	LAUDER, ROBERT BRUCE DOUGLAS	British Westinghouse Co., Trafford Park, Manchester.
1909. G. 1912. A.M.		Bryn-Tirion, Lurgan Avenue, Brooklands, Sale, Manchester.
1906.	LAWRENCE, HENRY PERCY	Messrs. James Pollock, Sons & Co., 3 Lloyd's Avenue, E.C.
1 912.	LAWRENCE, JOHN JAMES RUT-	6259 Harper Avenue, Chicago, Ill., U.S.
1905.	LAWSON, FRANCIS MALCOLM	Messrs. Hans Renold, 86 St. Vincent St., Glasgow.
1905.	LAWSON, JOHN CHARLES STAVELEY	P.O. Box 1069, Lowell, Mass., U.S.
1902.	LAWSON, WILLIAM	Springholme, Stockton-on-Tees.
		(City Electric Supply Dept., 14 Dale
1015 A M	LAWTON, FREDERICK WILLIAM	End, Birmingham.
		10 Clive St., Calcutta, India.
1912.	LAWTON, RALPH WALDO	(/Tiont D. N. V. D. Devel Morrel
1913. G. 1914. A.M.		(Lieut., R.N.V.R.), Royal Naval Airship Station, Milton, Pem- broke.
1913.	LAYCOCK, WILLIAM ERNEST	Managing Director, Victoria Works, Millhouses, Sheffield.
1893.	Lea, Arthur Henry	Messrs. Lea & Warren, Ket- tering.
1912.	LEA, JAMES THOMAS	Messrs. Gilbert Hamer & Co., P.O. Box 301, Durban, Natal.
1913.	LEACH, BERNARD HARRY	Les Chantiers de France, Dunkirk, France.
1910. 1906.	LEACH, RICHARD BERTRAM	Kessingland, South Road, Southall. 101 William Street, Heywood.
1902.	LEACH, ROBERT WILLIAM	9 Avondale Road, Wolverhampton. [851.]
1912.	LEADBEATER, WILLIAM	Estate Office, Whitelands, Witham.
1903.	LEAN, CLEMENT	Thanet House, Temple Bar, W.C. (United Carlo Gatti, Stevenson
1916.	LEDGER, HENRY JAMES	and Slaters Ltd., North Road, Holloway, N.
1913.	LEE, GEORGE ALLEN	Bluff Harbour Board, P.O. Box 1, Bluff, Southland, New Zealand.
1905.	LEE, HORACE PELHAM	Coventry Simplex Engines Ltd., Paynes' Lane Works, Coventry.
		(Messrs. Marshall, Sons & Co.,
1912.	Lee, Jesse James	Britannia Iron Works, Gains- borough.
1905.	LEE, WILLIAM HAROLD	Wymondham, Hythe. Rothesay, 148 Wellington Rd.,
1912.	LEEK, ALBERT EDWARD	Bilston.
1909.	Lees, Christopher John	12 Hawkshead Street, Southport.
1909.	LEEVERS, FREDERIC WILLIAM	Winthorpe House, Regent Street, Rugby.
1913. 1906.	LEGGAT, JOHN	The Firs, Barnstaple. Airdrie, Ashcroft Rd., Darlington.
1913.	LEIGHTON, LEOPOLD	Engineer's Dept., Dock Office,
		Liverpool. (Sergt., Pioneers), E. A. Pioneers,
1912.	ROBERTSON	Voi, British East Africa.
1914.	LERESCHE, PERCY	3 Mythop Road, Lytham.

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1912.	Leslie-Bredée, Giacomo	Messrs. James Simpson & Co., 10 Clive St., Calcutta, India.
1904. G. 1913. A.M.	LESTER, WILLIAM HENRY DAL-	Eng. and Manager, Newbury Dist. Water Co., Market Street, Newbury.
1902.	LEWENZ, HENRY IVAN	71A King Henry's Road, Hamp- stead, N.W.
1908.	Lewis, John	5 Tewkesbury Terrace, New South- gate, N.
1906.	LEWIS, PAUL ALEXANDER	Kelowna, British Columbia.
1904.	LEWIS, WILLIAM YORATH	Manag. Director, British Niclausse Boiler Co., Caxton House, Tothill St., Westminster, S.W.
1903.	LEWIS-DALE, HENRY ANGLEY	Works Dept., H.M. Dockyard, Chatham.
	LIDBETTER, CHARLES FRED-	Redcot, Crockford Park Road,
1905. A.M. § 1902.	LIDDELL, GUY	Addlestone, Surrey. 17 Moscow Court, W.
1902. G.	LIGHTFOOT, KENNETH	Linde British Refrigeration Co., 35
1911. A.M. §		Queen Victoria St., E.C. 155 Tividale Road, Burnt Tree,
1903.	LINDOP, WILLIAM	(Tipton.
1901.	LINDSAY, HENRY LINDSAY, The Hon. WALTER	40 Silverhill Rd., Bradford. 1 Holland Park, W.
1914.	LINDSAY, WILLIAM	Nova Scotia Steel and Coal Co., Wabana, Newfoundland.
1913.	LINDSAY, WILLIAM JAMES	Camden Iron Works, Camden, N.J., U.S.
1902.	LINDSEY-BADCOCK, WILLIAM	Eng. and Traffic Supt., Mid- Suffolk Light Rly., Laxfield, Suffolk.
1902.	LINSCOTT, ARTHUR BURROW	P.O. Box 4013, Johannesburg, Transvaal.
1904.	LISHMAN, JOHN JAMES	17 Leigham St., The Hoe, Plymouth.
1903.	LISTER, ARTHUR JAMES	29 Barrett Rd., Birkdale, B.O., Southport.
1908.	LISTER, JOHN EDWARD	Messrs. W. J. Jenkins & Co., 15 Victoria St., Westminster, S.W.
1906.	LITHGOE, JOHN	Messrs. Royce, Ltd., Trafford Park, Manchester.
1908.	LITTLEJOHN, WILLIAM JOHN	7 Proclamation St., Subiaco, Western Australia.
1908.	LIVERMORE, ALFRED ERNEST	Messrs. Spillers and Bakers, Red- cliff Back, Bristol.
1911.	LLOYD, CHARLES	16 Woodridings Avenue, Hatch End, Middlesex.
1904. G. 1913. A.M.	LLOYD, GEORGE WILMOT	Loco. Supt.'s Office, N.W. Rly.,
1904. G.)	T	Moghalpura, Lahore, India. Auckland, Warwick's Bench Road,
1910. A.M.	LLOYD, WILLIAM EDWARD	(Guildford.
1907.	Loader, James Frederick	Messrs. Fred Wilson & Co., 41 Urbiztondo, Manila, Philippine Islands.
1915.	LOBLEY, HENRY DENZIL	Messrs. Richard Garrett & Sons, Leiston Works, Leiston, R.S.O., Suffolk.
1910.	LOCKWOOD-BUNCE, THOMAS	[19 Catharine St., Liverpool. [Royal 5073.]

1913.	LOEWE, DAVID LUDWIG	Messrs. Arnhold, Karberg & Co.,
1910.	LOEWE, DAVID LIODWIG	Shanghai, China.
1913.	LOGIE, DAVID GARFIELD	British Burma Petroleum Co., Thilawa, Burma, India.
1910.	Lomas, George Albert	Genl. Manager, Engineering Works, Thirsk.
1909.	LOMAX, SAMUEL	Glenthorne, Buckingham Road, Woodford, N.E.
1913.	LONDON, ARTHUR GEOFFREY	Messrs. Lacy-Hulbert & Co., Boreas Works, Beddington, Croydon.
1903.	LONDON, WILLIAM JAMES	Works Mgr., Sterling Blower Co., Hartford, Conn., U.S.
1909.	LONGHURST, HENRY ALEX-	Bethune House, 1 Bethune Rd., Stoke Newington, N.
1903.	Longland, Walter, B.Sc	Northampton Institute, Clerken- well, E.C.
1912.	Longsdon, Henry Serle	Messrs. Summerscales, 4 Central Buildings, Westminster, S.W.
1905.	LONGWORTH, ALFRED EDGAR	Messrs. Alcock, Ashdown & Co., Mazagon, Bombay.
1906.	LORD, FRANK	Royal Naval Torpedo Factory, Greenock.
1914.	LORD, Eng. Lieut. GEORGE STOAT DUNCAN, R.N., ret.	60 Flanders Mansions, Bedford Park, Chiswick, W.
1911.	Love, Thomas Evan	Messrs. Harrisons & Crosfield, Quilon, Travancore, S. India.
1896.	LOVELL, SAMUEL GEORGE	Stickney, Boston.
1903.	LOVERIDGE, ARTHUR WALTER	The Municipal College, Ports-
		\ mouth. (Suptg. Eng., Indo-Burma Petro-
1914.	Lowe, Charles James	leum Co. (Steel Bros.), Rangoon, British Burma.
1908.	LOWER, RICHARD ANTHONY	52 Christchurch Road, Norwich.
1908. G.		Tilford Grange, near Farnham,
1913. A.M.	•)	Surrey.
1904.	LUKE, RICHARD MONTAGUE	9 Princess Square, Plymouth. (Messrs. James Lumb & Sons.
1909.	Lumb, Levi	Perseverance Works, Elland.
1898.	Lund, John	Messrs. Korting Bros., 53 Victoria St., Westminster, S.W.
1900. G 1902. A.M	LUPTON, NORMAN DARNTON	Messrs. Joshua Buckton & Co., Well House Foundry, Meadow Rd., Leeds.
1912.	{Lydall, Charles Haw- THORNE	Messrs. Merz and McLellan, Collingwood Bldgs., Newcastle-on- Tyne.
1901.	Lyddon, George Edward	(853 Eglinton Road, Woolwich, S.E.
1913.	Lynden-Lester, Alfred	(40 Wineva Avenue, Toronto, Ont., Canada.

1904, MACAULAY, JOHN {
Municipal Offices, Liverpool; and Arlosh House, Mersey Ave., Aigburth, Liverpool.

1010.	ASSOCIATE MED	abras.
Date of Elect	ion.	
*****	7. 75 75 75	(Commencial David Diller Adhere
		Commercial Bank Bldgs., Athens,
1913. A.N	I.) LEY	Greece. [Mageco, Athens.]
		(Lanston Monotype Corpn., 43
1000	M. s C D. s. s	Fetter Lane, E.C.; and 17
1906.	MACAULEY, CHARLES RIDGEWAY	Nevern Road, S. Kensington,
		S.W.
1907.	McBride, James Scott	8 Merchant's Quay, Cork.
1001.	MCBRIDE, JAMES SCOTT	
1902,	McCaffery, James	Electrical Eng., H.M. Dockyard,
		Sheerness.
1912.	McCallum, William Alex-	101 Queensborough Gardens, Hynd-
	ANDER	land, Glasgow.
1908.	(McCarthy-Jones, Christo-	General Electric Co. of N.Y., 83
1300.	PHER HOWEL	Cannon St., E.C.
		Farringdon Engineering Co., 39
1907.	McClelland, James Craig	Victoria Street, Westminster,
20011	and the state of t	S.W.
		(262 Victoria Park Rd., South Hack-
1904.	McClelland, John James	
		ney, N.E.
1909.	MACCORMAC, ROBERT SIDES	12 Hatfield House, Great Titchfield
2000,	Maccolimac, 100 Bill Diblis	(St., W.
1914.	MaCapanar Paper	(Kelvedon, Longueville, Sydney,
1914.	McCormack, Robert	N.S.W.
4040	N.C E	29 Criffel Avenue, Streatham Hill,
1913.	McCourt, Ernest Francis	S.W.
1911.	McCrae, William Andrew	Ministry of Public Works, Cairo
1911.	MICCHAE, WILLIAM ANDREW	Main Drainage Dept., Cairo,
		Egypt.
1914.	McCrea, William Donald	Messrs. Waugh and Josephson,
		Goulburn St., Sydney, N.S.W.
1912.	McCrie, Bertram	Penlee, Stoke Fleming, Dartmouth.
1901.	(MACCURRACH, DOUGLAS COCH-	Queen Anne's Chambers, West-
1901.	RANE	minster, S.W.
1900, G	1)	1 Broadgates Road, Wandsworth
1904. A.M		Common, S.W.
1908.	Macdonald, John Ranald	
		P.O. Box 500, Bulawayo, Rhodesia.
		(1139-42 First National Bank Bldg.,
1903. A.M	••)	Chicago, Ill., U.S.
	MacDonald, William	General Manager, Saint Roque's Garage, 64 Ward Road, Dundee.
1915. A.M	.) ROBERTSON	Garage, 64 Ward Road, Dundee.
1915.	McFadyen, Alexander	Engineering Dept., Technical
1310.	MICHADYEN, ALEXANDER	College, Dunedin, New Zealand.
1007	M. alling and Target Droom	Messrs. R. Wolf, 7 Laurence Pount-
1907.	MacFarlane, James Brock	ney Hill, Cannon St., E.C.
1010	(McFee, William Morley)	
1912.	Punshon	4 Grove Road, New Southgate, N.
1910.	Macron Warrana Trans	991 Form Pond North Laigeston
1310.		221 Fosse Road North, Leicester.
1894.	McGeorge, James	c/o Messrs. Henry S. King & Co.,
		65 Cornhill, E.C.
1902.	McGhee, Alexander {	26 Ingledew Crescent, Roundhay,
20021		Leeds.
1911.	McGill, Thomas	Messrs. Edward Wood and Co.,
1911.	MCGILL, THOMAS	Ocean Iron Works, Manchester.
1004	MaClama Barrer	8 Charles St., Livesey St., Manches-
1904.	McGown, Rogers	ter. [2575.]
		Messrs. Murray and Paterson,
1897. G	McGregor, John	
1898. A.M	.) BICCHEGOR, BOHR	Coatbank Engine Works, Coat-
		bridge.
1905.	MACGREGOR, JOSIAH, Jun {	The Motories Ltd., Field St.,
	()	Durban, Natal.

Data	of	Election.

1904. McGregor, Walter 1906. McIntyre, Charles 1904. McJerrow, Thomas 1901. Mackall, John Henderson 1903. {Mackall, John Henderson 1903. {Mackall, John Henderson 1904. McKer, Harry John Suther Land 1905. {Mackall, John Henderson 1906. {Mackall, John Henderson 1907. McKay, Robert Ferrier 1908. {Mackellar, Errest Campellar 1909. {Mackenzie, George Samuel 1901. {Mackenzie, Kenneth Leo- Nard 1901. Mackenzie, Kenneth Leo- Nard 1901. {Mackenzie, Kenneth Leo- Nard 1901. {Mackenzie, Kenneth Leo- Nard 1901. {Mackenzie, Robert Archiballar 1902. {Mackintosh, Donald Grant 1903. {Mackintosh, Robert David 1904. {Mackintosh, Robert David 1905. {Mackenz, Robert David 1907. {Mackintosh, Robert David 1908. {Mackintosh, Robert David 1909.				
1904. McJerrow, Thomas 1901. Mackail, John Henderson 1903. Mackail, John Henderson 1903. Mackay, Harry John Suthers Land 1914. McKey, Robert Ferrier 1915. Mackellar, Ernset Campbell 1916. Mackenzie, George Samuel 1917. Mackenzie, George Samuel 1918. Mackenzie, Kenneth Leonard 1919. Mackenzie, Norman 1911. Mackenzie, Robert Archibald 1912. Mackenzie, Robert Archibald 1913. McKenzie, Norman 1914. McKerlie, James 1906. G. 1908. A.M. Mackie, Tom Darke 1907. Mackintosh, James 1907. Mackintosh, James 1908. Mackintosh, James 1909. Mackintosh, Robert David 1909. Mackintosh, James 1909. Mackintosh, Robert David 1909. Mackintosh, Robert Towid 1909. Mackintosh, Robert 1909. Mackintosh, Robert 1909. Mackintosh, Robert 1909. Mackintosh, Rob		1904.	McGregor, Walter	West Protection Wall, Dundee.
1904. McKerow, Thomas 1908. Mackail, John Henderson. 1908. Mackay, Harry John Sutters. 1919. McKay, Robert Ferrier 1914. McKee, Neal Trimble 1909. Mackellar, Ernest Camper Bell		1906.	McIntyre, Charles	Ribeirão, Preto, São Paulo,
1903. {		1904.	McJerrow, Thomas	Ashanti Goldfields Corpn., Obuassi,
Westminster, S.W. 1911. McKay, Robert Ferrere 1914. McKee, Neal Trimble 1909. {MacKellar, Ernest Camper Samuel 1912. Mackenzie, George Samuel 1913. McKenzie, Kenneth Lieo 1914. Mackenzie, Kenneth Lieo 1915. Mackenzie, Robert Archilard 1916. G 1909. Mackie, Tom Darke 1909. Mackintosh, James 1909. Mackintosh, James 1909. Mackintosh, James 1909. Mackintosh, James 1909. Mackintosh, Robert David 1909. Mackintosh, Robert 1909. Mackinto		1901.	Mackail, John Henderson	
1911. McKay, Robert Ferrier		1903.		Westminster, S.W.
1909.		1911.	McKay, Robert Ferrier	tion Road, South Kensington,
1910. { Mackenzie, George Samuel 1912. Mackenzie, George Samuel 1913. { Mackenzie, Kenneth Leo-		1914.	McKee, Neal Trimble	
1912. MACKENZIE, GEORGE SAMUEL 1910. { MACKENZIE, KENNETH LEO- NARD		1909.		140 Heath Drive, Gidea Park,
1910. {Mackenzie, Kenneth Lieo-Nard		1912.		demnity Insurance Society, 222-
1913. Mackenzie, Robert Archister Archiste		1910.		Broken Hill Proprietary Co., Iron & Steel Works, Newcastle, New South Wales.
1913. {Mackenzie, Robert Archibald		1913.	McKenzie, Norman	Temple Buildings, Bowlalley Lane,
1906. G. 1908. A.M. MACKIE, RONALD HASTINGS Mandalay, Burma, India. 1907. G. 1912. A.M. MACKINTOSH, DONALD GRANT 1909. MACKINTOSH, JAMES Binghill, Murtle, Aberdeen. 1909. MACKINTOSH, JAMES Ryceroft, Boswell Rd., Sutton Coldfield, Birmingham. 1909. MACKINTOSH, JAMES Res. Engr's. Office, Trent Canal, Hydro Glen P.O., Ontario, Canada. 1909. MACKINTOSH, ROBERT DAVID 1909. MACKINTOSH, JAMES 1909. MACKINTOSH, DONALD GRANT 1909. MACKINTOSH, ALISTER 1909. MACKINTOSH, DONALD GRANT 1909. MACKINTOSH, ALISTER 1909. MACKINTOSH, DONALD GRANT 1909. MACKINTOSH, ALISTER 1909. MACKINTOSH,		1913.		Ardeer, Brown Side Road, Cambus-
1906. G. 1908. A.M. Mackie, Ronald Hastings Mandalay, Burma, India. 1909. Mackie, Tom Darke		1901.	McKerlie, James	
1909. Mackintosh, Donald Grant 1914. Mackintosh, Donald Grant 1909. Mackintosh, James 1909. Mackintosh, Robert David 1909. Mackintosh, James 1909. Mackintosh, Donald Grant 1909. M				
Hackintosh, Donald Grant Mackintosh, James Mackintosh, James Mackintosh, Robert David Messrs. Thomas Begbie & Co., P.O. Box 192, Middelburg, Transvaal. Hawks Road, Gateshead. [Hylift, Gateshead. 237.] Engineering Dept., The Polytechnic, Woolwich. Victoriaborg, Acora, Gold Coast. Thomason Civil Engineering College, Roorkee, U.P., India. Macliean, Andrew Fraser 1907. G. 1914. A.M. Macliean, Eric Wanklyn Macliean, William Eustace Macliean, William Eustace Maclient Birmingham. Res. Engr's. Office, Trent Canal, Hydro Glen P.O., Ontario, Canada. Messrs. Thomas Begbie & Co., P.O. Box 192, Middelburg, Transvaal. Hawks Road, Gateshead. [Hylift, Gateshead. 237.] Engineering Dept., The Polytechnic, Woolwich. Victoriaborg, Acora, Gold Coast. Thomason Civil Engineering College, Roorkee, U.P., India. 31 Bartholomew Road, Kentish Town, N.W. Tawera, Thompson Road, Napier, New Zealand. Messrs. Du Cane, Dutcher & Co., 911 Rogers Bldg., Vancouver, B.C. Chief Mech. Eng., Kimberley Water		-		The Manor House, Penn, High
1912. A.M.) 1907. Mackintosh, Donald Grant 1914. Mackintosh, James 1914. Mackintosh, James 1909. Mackintosh, Robert David 1909. Mackintosh, James 1909. Mackintosh, Jam	F		MACKINNON, ALISTER	
1914. Mackintosh, James				Ryecroft, Boswell Rd., Sutton Cold-
1909. Mackintosh, Robert David 1915. MacLachlan, Dungan Robert 1911. McLaren, Hugh		1914.	Mackintosh, James	Res. Engr's. Office, Trent Canal, Hydro Glen P.O., Ontario,
1915. MacLachlan, Duncan Robert 1911. McLaren, Hugh 1903. McLaren, William David 1913. Maclean, Andrew Fraser 1907. G. 1914. A.M. 1910. Maclean, Eric Wanklyn . 1910. Maclean, William Eustace Maclean, Kimberley Water		1909.	MACKINTOSH, ROBERT DAVID	Messrs. Thomas Begbie & Co., P.O. Box 192, Middelburg, Transvaal.
1911. McLaren, Hugh Victoriaborg, Accra, Gold Coast. 1903. McLaren, William David Thomason Civil Engineering College, Roorkee, U.P., India. 1913. Maclean, Andrew Fraser		1909.	Mackley, Edward Norman	
1911. McLaren, Hugh		1915.	MacLachlan, Duncan Robert	
1913. MACLEAN, ANDREW FRASER 1907. G. 1914. A.M. MACLEAN, ERIC WANKLYN 1910. MACLEAN, WILLIAM EUSTACE 1908. MACLEAN, WILLIAM EUSTACE 1909. Chief Mech. Eng., Kimberley Water		1911.	McLaren, Hugh	Victoriaborg, Acera, Gold Coast.
1913. Maclean, Andrew Fraser 1907. G. 1914. A.M. Maclean, Eric Wanklyn 1910. Maclean, William Eustace 1908. Maclean, William Eustace 1908. Maclean Hope Very (Chief Mech. Eng., Kimberley Water)		1903.	McLaren, William David	
1907. G. 1914. A.M. MACLEAN, ERIC WANKLYN Tawera, Thompson Road, Napier, New Zealand. MACLEAN, WILLIAM EUSTACE MACLEAN, WILLIAM EUSTACE MACLEAN, HOPE VERE Chief Mech. Eng., Kimberley Water		1913.	Maclean, Andrew Fraser	31 Bartholomew Road, Kentish
1910. MACLEAN, WILLIAM EUSTACE 911 Rogers Bldg., Vancouver, B.C. (Chief Mech. Eng., Kimberley Water			Maclean, Eric Wanklyn	Tawera, Thompson Road, Napier, New Zealand.
1902 MACLENNAN HOPE VERE Chief Mech. Eng., Kimberley Water		1910.	Maclean, William Eustace	911 Rogers Bldg., Vancouver,
		1903.	Maclennan, Hope Vere	Chief Mech. Eng., Kimberley Water

Date of Election	n.	ILLE LANGE
1914.	MAGT. HOD NEW	§8 Garden Reach, Kidderpore, Cal-
1314.	MACLEOD, NEIL	cutta.
1903.	Macleod - Carey, Arthur William Joseph	240 Carter Knowle Rd., Sheffield.
1910.	McMahon, John Francis	{Metropolitan Rly., Neasden Works, Neasden, N.W.
1911.	McMillan, Duncan	South African College, Cape Town, Cape Colony.
1914.	Macnee, Kenneth William	Messrs. Mather & Platt, Park Works, Newton Heath, Man- chester.
1906.	McNicoll, Walter	Shandon Place, 207 Albert Street, Dundee.
1908.	McPherson, John	Oakdene, Downfield, Dundee.
1915.	McPherson, John McVittie, Malcolm John-	Linden House, Clifton Road,
1907.	MADDEN, HENRY DACRE	Darlington. Grangetown Gas Works, Cardiff.
1909.	Maggs, Charles James	Chief Supt. Eng., Messrs. Sprostons, Georgetown, Demerara, British Guiana.
1913.	Main, Gordon Willmott	Hillside, 34 Beechdale Rd., Brixton Hill, S.W.
1909.	MAITLAND, ALEXANDER	(Lieut., I.A.R.O.), 86th Carnatic Infantry, Bhamo, Upper Burma.
1902. G. 1903. A.M.		Melton Estate, Lindula, Ceylon.
1912.	MALAN, Eng. Lieut. LIONEL DE MÉBINDOL, R.N	H.M.S. "Inconstant," c/o Post- master General, E.C.
1905. G.	MATTERN ADMITTED HANDS	Eng., British Cigarette Co., Muk-
1910. A.M.	(MALLEY, CHRISTOPHER EDWIN	den, Manchuria. Water Engineers Dept., Alexandra
1908.	ARTHUR HEWITSON	Bldgs., Dale Street, Liverpool.
1913.	MALLOCK, ROGER CHAMPER- NOWNE	Sir W. G. Armstrong, Whitworth & Co., 8 Great George St., Westminster, S.W.
1909. G.		North Western Railway, Lahore,
1911. A.M. 1904. G.)	India. (D.L.S. Bungalow, C. G. Rly.,
1909. A.M.	MALTHUS, ROBERT	Anuradhapura, Ceylon.
1907. G. 1913. A.M.		Waihi Gold Mining Co., Waihi, Auckland, New Zealand.
1905. G.)	(Marine Office, Govt. Dockyard,
1910. A.M.	MANFIELD, WALTER GUY	Bombay.
1906.	MANGOLD, CHARLES AUGUST	Messrs. Mangold Brothers, Port Elizabeth, Cape Colony.
1912. G. 1913. A.M.		Dist. Carr. & Wagon Supt., N.W. State Railway, Sukkur, Sind, India.
1914.	{Manington, Douglas Charles	Departamento de Traccion, F.C. Entre Rios, Basavilbaso, Arg. Rep.
1904. G. 1911. A.M.	MANISTY, HENRY SCOTT	40 Belsize Avenue, Hampstead, N.W.
1912.	MANLEY, EDWARD LOVELL	Sub-Divl. Office, Eastern Bengal State Railway, Saidpur, Bengal.
1912.	MANN, FREDERICK CYRIL	Hayes, Kent.
1907.	MANN, Eng. LieutCommr. WILLIAM SELWYN, R.N	808 Pembridge Villas, Bayswater, W.

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	1908.	MANNING, ERNEST	British Engine, Boiler and Elec- trical Insurance Co., 24 Fennel St., Manchester.
	1901. 1912. G.) 1913. A.M.) 1897. G.)	MANNOCK, JAMES JACKSON MANSELL, LAURENCE THOMAS GEORGE	14 Hampton Road, Blackpool. Asst. Loco. Supt., N.W. State Rly., Lahore, India. 34 Curzon Road, Prenton, Birken-
	1904. A.M. 5 1899. G. 3	Mansfield, Oliver	head. P.O. Box 327, Bombay, India.
	1907. A.M. (1894. G.) 1897. A.M.	Mansfield, Walter	Creewood Bldgs., Brunswick St., Liverpool.
	1908.	Manuel, Cecil Osmond	Manager, Burma Oil Co.'s Works, Budge Budge, Burma. Viâ Cal- cutta.
	1911.	MARCH, HAROLD	Messrs. Shewan Tomes & Co., Tientsin, N. China.
	1911.	MARCHANT, HERBERT GEORGE	Board of Trade (Exhibitions Branch), India House, Kingsway, W.C.
	1903.	Marples, Stephen Arnold	Gwydir Chambers, 104 High Holborn, W.O. [Holborn 4994.]
	1909.	MARR, JAMES	Coke Oven Construction Co., 155 Norfolk St., Sheffield.
	1905.	MARR, WILLIAM KAY	Chief Eng., Delta Barrage, Egypt.
	1902.	MARRIAN, ARTHUR EDWARD	Director of Works Dept., Admiralty, Whitehall, S.W.
Œ	1899. G.) 1902. A.M.)	Marsden, Alfred	3 Regent House, Wirtemburg St., Clapham, S.W.
	1910.	Marsden, James Robinson	Coal Distillation Co., 8 Albert Rd., Middlesbrough.
	1904.	Marsden, Walter	Campbell Gas Engine Co., Kingston, Halifax.
	1906. G.) 1915. A.M.	Marsh, Charles Kenneth	The Gables, Melton Mowbray.
	1912.	MARSH, CLIFFORD LLEWELLYN	Brookwood, Aberfan, Glam.
	1907.	MARSHALL, ARTHUB GROTJAN	Managing Director, British En- gineering Co. of Siberia, Central House, Kingsway, W.C.
	1912.	MARSHALL, JOHN ALEXANDER	Messrs. George Fletcher & Co., 21 Mincing Lane, E.C.
	1907.	MARSHALL, NUSSERWANJI) MANECKSHAW	Esplanade Ed., Dombay.
	1904.	MARSHALL, REGINALD	182 Loughborough Rd., Brixton, S.W.
	1908.	Marshall, Roland	Burgh Electrical Eng., Corpn. Electricity Works, Mill St., Ayr.
	1910.	MARSHALL, WEIR CHRISTIAN	Law Accident Insurance Society, City Chambers, Leeds.
	1911.	Marsland, Frank	B. B. & C. I. Rly., Beawar, Rajputana, India.
	1908.	MARTIN, ERNEST	(49 Stanwick Mansions, West Kensington, W.
	1907.	MARTIN, FRANCIS	Waterworks Eng., Cuckfield Rural District Council, Boltro Rd., Haywards Heath.
	1910.	MARTIN, GEORGE WILLIAM	Atmospheric Steam Heating Co., 22 Broadway, Westminster, S.W.
	1914.	MARTIN, ROBERT FRANCIS	34 Park Road, Wolverhampton.

		Gefe de Talleres, C. F. B. Aires y
1905.	MARTY, FEDERICO	Quilmes, Quilmes (F.C.S.), Prov. B. Aires, Arg. Rep.
1902.	MASCALL, ARTHUR EDWARD	109 Ashdell Road, Sheffield.
1913.	MASLIN, ERNEST SEBA	5 Lethbridge Road, Swindon.
1902. G.)		(L. & N.W. Rly., Wolverton, R.S.O.,
1905. A.M.	Mason, Charles Lyall	Bucks. (c/o R. E. Brinton, 68 Woodstock
1912.	Mason, Herbert Richard	Avenue, Golders Green, N.W.
1901.	Mason, John William Victor	Mona Works, Barlow Rd., Levens- hulme, Manchester.
1904.	MASON, WILLIAM, D.Sc	Walker Engineering Laboratories, The University, Liverpool.
1900.	Massey, Edward	Dallam Forge, Warrington. (Messrs. Mather and Platt, Park
1913.	Mather, Loris Emerson	Works, Newton Heath, Man- chester.
1909.	MATHEWS, ALBERT ROGER	Kohinoor Mills, Dadar, Bombay.
	(MATHEWS, ERNEST GORDON	(Tudor Accumulator Co., P.O. Box
1907.	DEWAR	408, Calcutta, India.
1011		(Engineer's Office, City Hall,
1911.	Mathews, Patrick Edward	Dublin.
1908.	MATHIESON, WILLIAM, R.N.R.	(780 Cardero St., Vancouver, British Columbia,
4040	(MATRAVERS, FREDERICK	(Sheila, Queen's Road, Richmond,
1913.	GEORGE	Surrey.
1913.	MATTICK, VICTOR ALEXANDER	The Grove, East Tytherton, Chip-
		Mech. Dept., Egyptian State Rlys.,
1906.	Maudslay, Joseph	Cairo, Egypt.
1902. G.) 1912. A.M.	MAW, ARTHUR ERNEST	Assheton, Carshalton Park Road,
1901. G.)		Carshalton, Surrey.
1904. A.M.	MAW, ROBERT LEWIS	35-36 Bedford St., Strand, W.C.
1901. G.)		
1906. A.M.	MAW, THOMAS FREDERICK	43 Sneyd Road, Cricklewood, N.W.
1912.	MAWER, SYDNEY	Messrs. Clayton and Shuttleworth,
20121	DIA WILL, DIDILLI	Stamp End Works, Lincoln.
1911.	MAXWELL, FRANCIS	§77 Lawrie Park Road, Sydenham, S.E.
1005	M H N	(27 Melby Avenue, East St. Kilda,
1905.	MAY, HORACE NUNN	Melbourne, Victoria.
1898, G.)	MAYES, HOWARD	13 Greenfield Road, Liverpool.
1902. A.M.		(Car and General Insce. Corpn.,
1913.	MAYNARD, PERCY VICTOR	Yorkshire Post Chbrs., Albion St.,
		Leeds.
1909.	MAYNE, JAMES GEORGE	Loco. Supt., Antofagasta (Chile) &
		Bolivia Rly., Antofagasta, Chile. (Messrs. Hal Williams & Co., 3
1909.	MEAD, THOMAS FBANCIS	Salters' Hall Court, Cannon St.,
	,	E.C.
		Commercial Vehicle Dept., Wolse-
1907.	MEADEN, ALBERT EDWARD	ley Tool and Motor Car Co., Ad-
		derley Park, Birmingham.
1903.	MEDLEY, CHARLES POWIS	London Hoist & Machinery Co., 95
		and 103 Worship St., E.C. Electric Lighting Works, Town-
1900.	MEEK, GEORGE THOMAS	mead Rd., Fulham, S.W.
		and the state of t

Date	of Election.
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1905. G.) 1912. A.M.) MEGIRIA	n, Joseph James	615 West 144th Street, New York, U.S.
	OHN, JAMES HENDER-	Crown Agents for the Colonies, 4 Millbank, Westminster, S.W.
•	AMES HENRY	Works Manager, Grimsby Engineering Co., Fish Dock Road,
1900. G.) MELLANI 1906. A.M.) RAWSO		Grimsby. Engineering Dept., Messrs. Guthrie & Co., Singapore, Straits Settle-
· ·	, ANTONIO GOMES DE	(ments. Lloyd Paraense, Pará, Brazil.
1000 C)	GEORGE HENRY	Chief Eng., Messrs. John Russell & Co., Alma Tube Works, Walsall.
1905. MERRALI	L, CHARLES EDDINGTON	26 Playfield Crescent, East Dul-
1914. METCALE	, HENBY	wich, S.E. 8 Howard Road, Upminster, Essex.
1914. METCALF	E, FRANCIS GARDEN	Dhamai Tea Co., Juri P.O., A. B. Rly., South Sylhet, India.
1911. METCALE	E, ROLAND GREGG	British Thomson-Houston Co., Standard Bldgs., Leeds.
1908. METHUEI	n, James Allin	P.O. Box 14, Umtali, Rhodesia.
1907. MEYER, 7	THOMAS BERNARD	10 Crossfield Rd., Swiss Cottage, N.W.
1902. {MEYRICK MEYRI		The Red Lodge, Winterstoke Gardens, Mill Hill, N.W.
1908. {Miaskow Herry	rski, Paul August	Maschinenfabrik Augsburg-Nürnberg, Caxton House, 5th floor, Tothill Street, Westminster, S.W.
1906. MIDDLET	on, Brian McLaren	The Bombay Co. Ltd., Tuticorin, South India.
1904. MIDDLET	ON, PETER CHARLES	Clifford House, Lancaster Road, South Norwood, S.E.
1911. MIDGLEY	, HAROLD EDWARD	Messrs. Fraser and Chalmers, Erith, Kent.
1911. Miévilli	E, ARTHUR LEONARD	Messrs. Kerry and Chace, Confederation Life Building, Toronto, Canada.
1912. MILLAR,	ALEXANDER	Messrs. Andrew Barclay Sons & Co., Caledonia Works, Kilmarnock.
1905. MILLAR,	WILLIAM PETTIGREW	Messrs. Waygood Otis Ltd., 116 Hope St., Glasgow.
1914. MILLER,	CLARENCE HOPKINS	Skefko Ball Bearing Co., Skefko Works, Luton.
1915. MILLER,	JAMES	Messrs. George Fletcher & Co., Masson and Atlas Works, Derby.
1914. MILLER,	John Wilson	Messrs. Strain and Robertson, 154 West George St., Glasgow.
1903. G.) MILLETT,	CHARLES WALTER	(c/o Major G. C. Millett, 3 Parklands Avenue, Nairobi, Brit. E. Africa.
	FON, WILLIAM ERNEST	Messrs. Holden & Brooke, Sirius Works, West Gorton, Manchester.
	RTHUR EDWIN	Atlantic Bldgs., Mount Stuart Sq., Cardiff.
1913. MILNE, I	EDGAR NESBIT	F.C. de B. A. al Pacifico, Alianza, Santos Lugares, F.C.P., Buenos Aires, Arg. Rep.

Date	of	TO	ect:	ion

	1914.	MILNE, ROBERT ALEXANDER	Colombo Iron Works, Mutwal, Colombo, Ceylon.
	1911.	MILNES, GEORGE CLEMENT	c/o W. MacBretney, 72 Simon- side Terrace, Heaton, Newcastle-
	1010	Mariano Watering Polygra	on-Tyne. Gladwell Rd., Stroud Green,
	1912.	MILWARD, WILLIAM FRANCIS	N.
	1903. G.) 1912. A.M.)	MINETT, ALBERT ERNEST SCULTHORPE	(c/o Messrs. Scott & Co., Rangoon, Burma.
	1912.	MINNITT, JOHN ANSON	Messrs. John E. Minnitt, 72–76 Apollo St., Bombay.
	1915.	MINSHULL, JOHN WILLIAMS	Technical School, Barrow-in- Furness.
	1911.	Mirza, Perojshah Daraji	Chief Mech. Eng., Bhavnagar State Harbour Works, Bhavnagar, Kathiawar, India.
	1905.	MITCHELL, EDWARD ALBERT	110 Cannon Street, E.C. [Awaken- ment, Cannon, London. City 3308.]
	1907. G.) 1909. A.M.)	MITCHELL, GARDINER	Messrs. Barry, Henry & Co., West North St., Aberdeen.
	1913.	MITCHELL, JAMES	Messrs. James Phillips & Co., 5 and 6 Salisbury St., Bermond- sey, S.E.
	1914.	MITCHELL, JAMES	(2nd Lieut., R.E.), School of Military Engineering, Chatham.
	1902.	MITCHELL, JOHN	Queen Anne's Chambers, Tothill St., Westminster, S.W.
	1909.	MITCHELL, THOMAS, Jun	Grayrigg, Smith Avenue, Old Colwyn, Colwyn Bay.
	1912.	MITCHELL, WILLIAM ANDER-	Titaghur Jute Factory Co., Titag- hur, India.
	1914.	MITCHLEY, JOHN WILLIAM	H.M. Munitions Factory, Queens Ferry, Chester.
	1896.	MITTON, THOMAS EVANS	Crown Brass Works, Oozells St. North, Birmingham. [Mitton, Birmingham. 394.]
	1903. G.) 1907. A.M.)	Mobbs, Herbert	Pytchley Autocar Co., Sheep St., Northampton.
	1910.	MOFFATT, FRANK ALEXANDER	1355 San Martin, Mendoza, Arg. Rep.
Ti-	1891. G.) 1905. A.M.)	Mogg, Henry Hodges	Messrs. H. Brown and Co., 66 Prince St., Bristol.
	1907.	Mohn, Trygve	National Gas Engine Co., Ashton- under-Lyne.
	1911.	Moir, Donald	Compañia Consolidada de Aguas Corrientes del Rosario, Rosario de Santa Fé, Arg. Rep.
	1912.	Moir, William Robertson	(Messrs. MacAndrews and Forbes Co., Basrah, Turkish-Arabia. (Companhia Industrial Mineira,
	1913.	MOLYNEUX, WILLIAM	Mariano Procopio, Minas Geraes, Brazil.
	1903.	Monkhouse, Frank Lionel	75 Lidderdale Rd., Sefton Park, Liverpool.
	1907.	Moody, George Henry	Westholme, Field St., Bradley, Bilston.
	1907. G.) 1912. A.M.)	Moore, Edward Stapleton	16 Sackville Road, Hove, Brighton.

Data	00	Election.	
Dave	OI.	Election.	

	Date of Election.		
	1908.	Moores, John	2 Coliemore Villas, Dalkey, Co. Dublin.
	1910.	Moores, Robert Gorton	28 Malcolm Street, Cambridge.
	1904.	Moraes, Henry Francis	Ayer Kuning Rubber Estate, Taiping, Straits Settlements.
	1909.	MORCOM, EDGAR LLEWELLYN	Messrs. Belliss & Morcom, Ledsam Street Works, Birmingham.
	1903.	Morgan, Douglas Howard	Yeoveney, Felstead, Essex.
	1903.	Morgan, Frederick John	(35 and 36 Wind St., Swansea. [Advance, Swansea. 570.]
	1902. G. 1912. A.M.	Morgan, William Henry	Coombe Dell, South Croydon.
	1909. 1908. G.) 1913. A.M.)	Morrell, Lieut. George Mark, R.E.	38 Westbourne Road, Sheffield. (Royal Engineers' Office, Pembroke Dock.
	1910. G.) 1915. A.M.)	Morris, Reginald Gordon	Messrs. Walker, Sons & Co., Colombo, Ceylon.
Œ	1906. G.) 1916. A.M.)	Moss, Ernest William	Messrs. Boult, Wade and Tennant, 111-112 Hatton Garden, E.C.
	1907. G.) 1912. A.M.)	Moss, Francis Charles	Edale, Moorgate, Rotherham.
	1913.	Moss, Henry	{25 Surrey Road, Peckham Rye, S.E.
	1914.	Moulden, Eldin Swanzey	Municipal Tramways Trust, Adelaide, South Australia.
	1912.	MOUNTFORT, LOUIS FREDERIC	Engineer's Office, Tyburn, Bir- mingham.
	1912.	MOUNTNEY, CHARLES FRED-	
	1902.	Mowbray, Archibald Holme	Managing Director, Messrs. Smith & McLean, Mavisbank, Glasgow. [Mavisbank, Glasgow. 1507.]
	1902.	Mowbray, Frank Herbert	Universal Music Co., Hayes, Middlesex.
	1905. G.) 1909. A.M.	Mowle, Harold Savignac	Messrs. Crossley Bros., 217 St. Vincent Street, Glasgow.
	1905.	Moyle, Edward Charles	Victoria Technical School, Preston.
	1911.	MUDIE, DAVID	Manager, Reliance Jute Mills, Kanknarrah, E.B.S.R., Bengal.
	1897. G.)	MUGGERIDGE, HAROLD CHIS-	c/o Chief Eng., E. I. Rly. House,
	1902. A.M.	MAN	Fairlie Place, Calcutta.
	1908. 1905.	MUIR, FRANK	15 Cannel St., Ancoats, Manchester. Govt. Marine Surveyor, Penang,
	1912.	MULLIGAN, MICHAEL	Straits Settlements. 95 Worsley Road, Farnworth,
	1912.		R.S.O., Bolton.
	1902. G.)	Munro, Carlos Sinclair Adam	50 Eden Grove, Holloway, N.
	1904. A.M.	MUNYARD, ALFRED WALFORD	Shinehill, Littleton, Evesham.
	1905. G.) 1914. A.M.	MUNYARD, MATTHEW HENRY	East Ferry Road Engineering Works, Millwall, E.
	1912.	MURCHISON, KENNETH	23 Amargura, Havana, Cuba.
	1900. G.) 1904. A.M.)	MURDOCH, ALEXANDER GEM-	Messrs. T. & J. Hosking, Dock Head Iron Works, Bermondsey, S.E.
	1907. G. 1911. A.M.	MURFIN, LOUIS JOHN JAMES	3 Risingholme Villas, High Road, Wealdstone, Middx.
	1907.	MURRAY, ALBERT	51 Auckland Rd., Doncaster.

	•	(Messrs. G. Gahagan & Co., 271
1905.	MURBAY, GEORGE WILLIAM	Bellasis Road, Byculla, Bom-
	,	bay,
		Bombay Steam Navigation Co.,
1911.	MURRAY, HARRY RANDOLPH	Patent Slip, Mazagon, Bom-
TOTI.	MICKRAY, MARRY IVANDOLPH	bay.
1911.	MURRAY, HERBERT HOWARD	Messrs. Malcomess and Co., East
	,	London, Cape Colony.
1912.	MURRAY, JOHN	Chief Eng., Tongaat Sugar Estates,
2022,		Tongaat, Natal.
1915.	Mudday More	(City and Guilds (Engineering) College, Exhibition Road, S.W.
	HURRAY, LUM	College, Exhibition Road, S.W.
1912.	MURRAY, WILLIAM ROBERT	Corpn. Electricity Works, Ayr.
1905.	G.) Myers, Archibald Charles)	10 1-1 D. 1 D. 11. C.E.
1912.	A.M.) TRACEY	19 Avignon Road, Brockley, S.E.
1914.		(Messrs, Hans Renold, Burnage
1914.	Myers, Frank	Messrs. Hans Renold, Burnage Works, Didsbury, Manchester.
1000	**	(Urban District Council Electricity
1907.	MYERS, JAMES RUGLEN	Urban District Council Electricity Works, Ley St., Ilford.
		(Troins, Moj Dui, India,
		•

1906.	Nandi, Kali Chaban	Supt. of Works, P.W.D., Cooch Behar, India.
1904.	Napier, Frederick Disney	134 Brondesbury Park, Willesden Green, N.W.
1912.	Nash, Alfred William	Messrs. Bewick, Moreing & Co., Stanitza Apsheronskaya, Kuban Prov., S. Russia.
1907.	NAYLOR, JAMES WILLIAM	31 Marshall Street, Smethwick, Birmingham.
1901.	Naylor, John Alfred	Messrs. Rosser & Russell, 22 Charing Cross, S.W. [Lesorus, London. Gerrard 5210.]
1907. G.) 1913. A.M.)	NAYLOR, THOMAS LIDDLE	Cueva de la Mora, Valdelamusa, Huelva, Spain.
1910.	Neagle, William	Erith Technical Institute, Erith, S.O., Kent.
1912.	NEAL, JAMES HENRY	Technical Institute, Durban, Natal.
1905. G. 1909. A.M.}	NEEDHAM, CYBIL ARMITAGE NEEDHAM, RONALD ALLPORT	Water Engineer's Office, 52 Balls Road, Birkenhead. The Slipway, Garth, Bangor.
1912.	Neilson, George	Messrs. Coode, Matthews, Fitz- maurice & Wilson, 9 Victoria St., S.W.
1915.	NELL, LEONARD	Assist. Locomotive Supt., Nigerian Railway, West Africa.
1912.	Nelson, Charles Cowley	Taikoo Dock and Engineering Co., Hong Kong, China.
1913.	Nelson, George Horatio	{119 Derbyshire Lane, Stretford, Manchester.

		(35 T T 37) 8 G
1907. G.) 1913. A.M.)	Nelson, Lionel	Messrs. James J. Niven & Co., 29 Hunter St., Wellington, New Zealand.
1902.	NELSON, ROBERT	18 Brook Green, W.
1903. G.) 1904. A.M.)	NESBITT, EDWARD ARTHUR	Messrs. Simpson & Co., 201 Mount Road, Post Box 21, Madras,
1908.	NETTLE, HENRY	India. Morley Villa, Camborne.
1899.	NETTLEFOLD, GODFREY	(16 Broad St., Birmingham. [Nettle- folds, Birmingham. 2086.]
1901. G.) 1909. A.M.)		79A Parkhurst Rd., Holloway, N.
1903. G.) 1909. A.M.)		Messrs. Laurie & Lamb, 212 Board of Trade Bldg., Montreal, Canada.
1905. G.) 1912. A.M.)		78 Mount Pleasant, Barrow-in- Furness.
1912.	NEWMAN, ALEXANDER RICHARD	H.M.S. "Ness," c/o Postmaster General, E.C.
1905.	NEWMAN, ARTHUR DUDLEY	Chief Eng., Messrs. Fraser & Chalmers, P.O. Box 231, Johan-
1901. G.) 1905. A.M.)	NEWMAN, KENNETH CHARLES HOBTON	nesburg, Transvaal. Broadbank Chambers, 16 Oxford St., Harrogate.
		Manager, Messrs. John Whitehead
1905.	NEWMAN, WILLIAM BOUGHTON	& Co., Albert Works, Syke St., Preston.
1902. 1901. G.)	NEWMAN, WILLIAM HENRY	West Lodge, Totteridge, Herts.
1904. A.M.		58 Grafton Road, Acton, W.
20021 221221)		
1904.	Newton, Rupert	(Messrs. Head Wrightson & Co., Stockton-on-Tees; and Grays Rd., Bishopton Lane, Stockton- on-Tees.
		Stockton-on-Tees; and Grays Rd., Bishopton Lane, Stockton- on-Tees. ((Lieut., R.N.V.R.), Messrs. Robey &
1904,	Newton, Rupert	Stockton-on-Tees; and Grays Rd., Bishopton Lane, Stockton- on-Tees. (Lieut., R.N.V.R.), Messrs. Robey & Co., Globe Iron Works, Lincoln. (Boro' Eng. and Surveyor, Folke- stone.
1904. 1913.	Newton, Rupert Nichol, John Oswald	Stockton-on-Tees; and Grays Rd., Bishopton Lane, Stockton-on-Tees. (Lieut., R.N.V.R.), Messrs. Robey & Co., Globe Iron Works, Lincoln. (Boro' Eng. and Surveyor, Folke-
1904. 1913. 1905.	NEWTON, RUPERT NICHOL, JOHN OSWALD NICHOLS, ALBERT EDWARD	Stockton-on-Tees; and Grays Rd., Bishopton Lane, Stockton-on-Tees. (Lieut., R.N.V.R.), Messrs. Robey & Co., Globe Iron Works, Lincoln. Boro' Eng. and Surveyor, Folkestone. (122-4 Grenfell St., Adelaide, S. Australia. Messrs. Alldays & Onions Pneumatic Engineering Co., Birming-
1904. 1913. 1905. 1901. 1907. 1902. G.	NEWTON, RUPERT NICHOL, JOHN OSWALD NICHOLS, ALBERT EDWARD NICHOLSON, ALEXANDER	Stockton-on-Tees; and Grays Rd., Bishopton Lane, Stockton-on-Tees. {(Lieut., R.N.V.R.), Messrs. Robey & Co., Globe Iron Works, Lincoln. Boro' Eng. and Surveyor, Folkestone. {122-4 Grenfell St., Adelaide, S. Australia. Messrs. Alldays & Onions Pneumatic Engineering Co., Birmingham. {2 Poplar Avenue, Whalley Range,
1904. 1913. 1905. 1901.	NEWTON, RUPERT NICHOL, JOHN OSWALD NICHOLS, ALBERT EDWARD NICHOLSON, HENRY FRANCIS NICHOLSON, ALEXANDER NICHOLSON, EDWARD NICHOLSON, EDWARD	Stockton-on-Tees; and Grays Rd., Bishopton Lane, Stockton-on-Tees. (Lieut., R.N.V.R.), Messrs. Robey & Co., Globe Iron Works, Lincoln. Boro' Eng. and Surveyor, Folkestone. 122-4 Grenfell St., Adelaide, S. Australia. Messrs. Alldays & Onions Pneumatic Engineering Co., Birmingham. 2 Poplar Avenue, Whalley Range, Manchester. Dept. of Public Works, Sydney,
1904, 1913, 1905, 1901, 1907, 1902, G. 1905, A.M. 1911, 1897, G.	NEWTON, RUPERT NICHOLS, JOHN OSWALD NICHOLS, ALBERT EDWARD NICHOLSON, ALEXANDER NICHOLSON, EDWARD (NICOL, WILLIAM ALEXANDER WOOLER	Stockton-on-Tees; and Grays Rd., Bishopton Lane, Stockton-on-Tees. (Lieut., R.N.V.R.), Messrs. Robey & Co., Globe Iron Works, Lincoln. Boro' Eng. and Surveyor, Folke-stone. 122-4 Grenfell St., Adelaide, S. Australia. Messrs. Alldays & Onions Pneumatic Engineering Co., Birmingham. 2 Poplar Avenue, Whalley Range, Manchester. Dept. of Public Works, Sydney, N.S.W. Lancashire Steam Motor Co., Ley-
1904, 1913, 1905, 1901, 1907, 1902, G. 1905, A.M. 1911, 1897, G. 1902, A.M.	NEWTON, RUPERT NICHOL, JOHN OSWALD NICHOLS, ALBERT EDWARD NICHOLSON, ALEXANDER NICHOLSON, EDWARD (NICOL, WILLIAM ALEXANDER WOOLER	Stockton-on-Tees; and Grays Rd., Bishopton Lane, Stockton-on-Tees. (Lieut., R.N.V.R.), Messrs. Robey & Co., Globe Iron Works, Lincoln. Boro' Eng. and Surveyor, Folkestone. 122-4 Grenfell St., Adelaide, S. Australia. Messrs. Alldays & Onions Pneumatic Engineering Co., Birmingham. 2 Poplar Avenue, Whalley Range, Manchester. Dept. of Public Works, Sydney, N.S.W. Lancashire Steam Motor Co., Leyland, Preston.
1904, 1913, 1905, 1901, 1907, 1902, G. 1905, A.M. 1911, 1897, G. 1902, A.M. 1909,	NEWTON, RUPERT NICHOLS, JOHN OSWALD NICHOLS, ALBERT EDWARD NICHOLSON, ALEXANDER NICHOLSON, EDWARD NICHOLSON, EDWARD NICHOLSON, WILLIAM ALEXANDER WOOLER NIXON, CHARLES BASIL NIXON, FREDERICK HENRY	Stockton-on-Tees; and Grays Rd., Bishopton Lane, Stockton-on-Tees. (Lieut., R.N.V.R.), Messrs. Robey & Co., Globe Iron Works, Lincoln. Boro' Eng. and Surveyor, Folke-stone. 122-4 Grenfell St., Adelaide, S. Australia. Messrs. Alldays & Onions Pneumatic Engineering Co., Birmingham. 2 Poplar Avenue, Whalley Range, Manchester. Dept. of Public Works, Sydney, N.S.W. Lancashire Steam Motor Co., Leyland, Preston. St. Heliers, Sidney Road, Walton-on-Thames.
1904, 1913, 1905, 1901, 1907, 1902, G. 1905, A.M. 1911, 1897, G. 1902, A.M.	NEWTON, RUPERT NICHOL, JOHN OSWALD NICHOLS, ALBERT EDWARD NICHOLSON, ALEXANDER NICHOLSON, EDWARD (NICOL, WILLIAM ALEXANDER WOOLER	Stockton-on-Tees; and Grays Rd., Bishopton Lane, Stockton-on-Tees. (Lieut., R.N.V.R.), Messrs. Robey & Co., Globe Iron Works, Lincoln. Boro' Eng. and Surveyor, Folkestone. 122-4 Grenfell St., Adelaide, S. Australia. Messrs. Alldays & Onions Pneumatic Engineering Co., Birmingham. 2 Poplar Avenue, Whalley Range, Manchester. Dept. of Public Works, Sydney, N.S.W. Lancashire Steam Motor Co., Leyland, Preston. (St. Heliers, Sidney Road, Walton-on-Thames. (Messrs. Purcell and Nobbs, 87-89 Cleveland Street, W.
1904, 1913, 1905, 1901, 1907, 1902, G. 1905, A.M. 1911, 1897, G. 1902, A.M. 1909,	NEWTON, RUPERT NICHOLS, JOHN OSWALD NICHOLS, ALBERT EDWARD NICHOLSON, ALEXANDER NICHOLSON, EDWARD NICHOLSON, EDWARD NICHOLSON, WILLIAM ALEXANDER WOOLER NIXON, CHARLES BASIL NIXON, FREDERICK HENRY	Stockton-on-Tees; and Grays Rd., Bishopton Lane, Stockton-on-Tees. (Lieut., R.N.V.R.), Messrs. Robey & Co., Globe Iron Works, Lincoln. Boro' Eng. and Surveyor, Folke-stone. 122-4 Grenfell St., Adelaide, S. Australia. Messrs. Alldays & Onions Pneumatic Engineering Co., Birmingham. 2 Poplar Avenue, Whalley Range, Manchester. Dept. of Public Works, Sydney, N.S.W. Lancashire Steam Motor Co., Leyland, Preston. St. Heliers, Sidney Road, Walton-on-Thames. (Messrs. Purcell and Nobbs, 87-89 Cleveland Street, W. (c/o B.C.G. Association, Lafenwa, Abeokuta, Southern Nigeria.
1904, 1913, 1905, 1901, 1907, 1902, G. 1905, A.M. 1911, 1897, G. 1902, A.M. 1909, 1913.	NEWTON, RUPERT NICHOLS, JOHN OSWALD NICHOLS, ALBERT EDWARD NICHOLSON, ALEXANDER NICHOLSON, EDWARD (NICOL, WILLIAM ALEXANDER WOOLER NIXON, CHARLES BASIL NIXON, FREDERICK HENRY NOBBS, WALTER WILLIAM	Stockton-on-Tees; and Grays Rd., Bishopton Lane, Stockton-on-Tees. (Lieut., R.N.V.R.), Messrs. Robey & Co., Globe Iron Works, Lincoln. Boro' Eng. and Surveyor, Folke-stone. 122-4 Grenfell St., Adelaide, S. Australia. Messrs. Alldays & Onions Pneumatic Engineering Co., Birmingham. 2 Poplar Avenue, Whalley Range, Manchester. Dept. of Public Works, Sydney, N.S.W. Lancashire Steam Motor Co., Leyland, Preston. St. Heliers, Sidney Road, Walton-on-Thames. Messrs. Purcell and Nobbs, 87-89 Cleveland Street, W.
1904, 1913, 1905, 1901, 1907, 1902, G. 1905, A.M. 1911, 1897, G. 1902, A.M. 1909, 1913, 1908,	NEWTON, RUPERT NICHOLS, JOHN OSWALD NICHOLS, ALBERT EDWARD NICHOLSON, ALEXANDER NICHOLSON, EDWARD (NICHOLSON, EDWARD NICHOLSON, WILLIAM ALEXANDER WOOLER NIXON, CHARLES BASIL NIXON, FREDERICK HENRY NOBBS, WALTER WILLIAM NOBLE, GEORGE	Stockton-on-Tees; and Grays Rd., Bishopton Lane, Stockton-on-Tees. (Lieut., R.N.V.R.), Messrs. Robey & Co., Globe Iron Works, Lincoln. Boro' Eng. and Surveyor, Folke-stone. 122-4 Grenfell St., Adelaide, S. Australia. Messrs. Alldays & Onions Pneumatic Engineering Co., Birmingham. 2 Poplar Avenue, Whalley Range, Manchester. Dept. of Public Works, Sydney, N.S.W. Lancashire Steam Motor Co., Leyland, Preston. (St. Heliers, Sidney Road, Walton-on-Thames. Messrs. Purcell and Nobbs, 87-89 Cleveland Street, W. (c/o B.C.G. Association, Lafenwa, Abeokuta, Southern Nigeria. Burmah Oil Co., Mormugáo, Goa,

1907.	NORMAN, GEOFFREY HAMILTON	3 Lloyd's Place, Blackheath, S.E.
1903.	NORMAN, GEORGE FREDERICK	Carisbrook, Beechwood Avenue,
	ALEXANDER	Kew Gardens, Surrey.
1913.	(NORRIS, RICHARD NORMAN	Harland Engineering Co., 66 Car-
	Bond	rick Street, Glasgow.
1905. G.	NORRISH, HUGH ROPER BAR-	Hawley House, 7 Tudor Road,
1913. A.M.	RETT	Upper Norwood, S.E.
1904. G.)	NORTHCOTT, HENRY HANS	(6 Earl's Court Square, W. (Killed
1910. A.M.	MACFARLANE	in action, Jan. 1916.)
		(Messrs. Brown, Bayley's Steel
1897.	NORTON, ARTHUR	Works, Sheffield.
1899.	NORTON, SAMUEL JOSEPH	22 Bushnell Rd., Balham, S.W.
1913.	NORTON, STEPHEN JAMES	29 Cranbrook Park, Ilford.
1914.	NOTLEY, REGINALD HENRY	International Packing Machine Co.,
1914.	NOTLEY, REGINALD HENRY	Linwood, Renfrewshire.
		(Russa Engineering Works, 110-111
1905.	NOWELL, VICTOR FERDINAND	Russa Road South, Calcutta,
	· · · · · · · · · · · · · · · · · · ·	India.
1910.	NUGENT, CHARLES EVELYN	Seremban, Negri Sembilan, F.M.S.
4010	N Winner Winner	Bradford Dyers' Association, 39
1912.	NUNN, HARRY VAUGHAM	Well Street, Bradford.
1899. G.)	None Manage	Messrs. W. Aykroyd & Sons, Oak-
1906, A.M.	NUTTER, HAROLD NORMAN	wood Dye Works, Bradford.
		, , , , , , , , , , , , , , , , , , , ,

1906.	Oakden, Roger Brooke	International Hotel, Cape Town, Cape Colony.
1907.	OAKES, FREDERICK BISMARCK	Waterloo Avenue, Leiston, Suffolk.
1902.	O'CONNELL, JOHN GEORGE	16 St. Stephen's House, Victoria Embankment, S.W.
1912.	OGDEN, ROBERT WILLIAM	Messrs. J. Crosfield & Sons, Bank Quay Works, Warrington.
1909.	OGDEN, SAMUEL	Ridgemont, Leyland Rd., Pen- wortham, Preston.
1903. G.) 1911. A.M.)	Ogg, Easton Lewis	125 Tressillian Road, Brockley, S.E.
1911.	OHLSEN, ANDREW	57 Highbury, Jesmond, Newcastle- on-Tyne.
1912.	OLIVER, ALFRED	Jubilee House, Derby Street,
1909.	OLVER, WILLIAM HENRY	14 Narrow Plain, Bristol.
1911.	Omar, Abdel Mageed	Vice-Principal, School of Engineer- ing, Giza, Egypt.
1913.	ORD, JOHN THOMPSON	Oficina Carmen Bajo, Iquique,
1905. G.) 1911. A.M.)	ORME, CHARLES TEMPLE	213 Uxbridge Road, Shepherd's Bush, W.
1902.	ORR, THOMAS REGINALD JAMES	Kent Villa, Albert Street, Victoria Park, Adelaide, S. Australia.
1914.	OTWAY-RUTHVEN, THOMAS OR-	Loco. Supt., Nigerian (Eastern) Rly., Port Harcourt, Nigeria.

1901.	OUGHTERSON, GEORGE HENRY	Ordnance Dept., Messrs. Vickers Ltd., Naval Construction Works.
2001.		Barrow-in-Furness.
1911.	Ousey, Thornton	Works Manager, Bloom St. Gas Works, Salford, Manchester.
1914.	OUTRAM, WILLIAM RAPHAEL	Supt. Eng., The Blue Star Line, St. Mary Axe, E.C.
1911.	OWEN, LLEWELYN EDWARD	Rose Villa, The Avenue, Acocks Green, Birmingham.
1909. G. 1914. A.M.	OWEN-GRIFFITHS, WILLIAM	Electrical Dept., P.W.D., Lagos, West Africa.
	OXLEY, JOHN HERBERT WAL-	Messrs. George Waller and Son, Phoenix Iron Works, Stroud, Glos.

1907. 1912.	G.) A.M.)	PACEY, STEWART OSWALD	{c/o Messrs. Cox & Co., 16 Charing Cross, S.W.
1901.		Page, Hugh Algernon	45 Grasmere Road, Muswell Hill, N.
1913.		Pain, Thomas Alexander	Messrs. McPhail and Simpson, Finsbury Pavement House, E.C.
1901.		PALMER, ALFRED	346 Bellhouse Rd., Shire Green, Sheffield.
1905. 1914.	G. A.M.	PALMER, EDWARD WILLIAM	3 Park Avenue, Willesden Green, N.W.
1909.		Pank, Abraham	Messrs. A. Pank & Sons, Castle Hill Works, Norwich.
1909. 1912.	A.M.}	Pannell, John Robert	Ye Hollies, Staines Road, Twicken- ham.
1909.		Panton, Joseph Alexander	Canadian Bldgs., 7 and 9 James St., Liverpool.
1913.		PANTON, WILLIAM DICKSON	c/o Messrs. Andrew Yule & Co., Seebpore, Calcutta.
1902.		Papworth, John Wyatt	Corpn. Electricity Works, Stirling.
1904.		Paris, Henry Adolf	Mech. Engineer's Dept., L.C.C., Spring Gardens, S.W.
1913.		PARK, PETER MCAULAY	South Bank, South St., Greenock.
1899.	G.)		(Messrs. Fraser & Chalmers, 3 Lon-
1902.		PARKER, FREDERICK THOMAS	don Wall Bldgs., E.C.
1909.		Parker, John	South Staffordshire Mond Gas Co., Dudley Port, Tipton.
1914.		PARKER, LIONEL DOUGLAS	Machinery Dept., Messrs. Edgar Allen & Co., Imperial Steel
		,	Works, Sheffield.
1908.		PARKER, ROBERT	Gun Mounting Dept., Messrs. Vickers Ltd., Barrow-in-Furness.
1914.		PARKER, WILLIAM RICHARD	Manager, Messrs. Bulpitts, Camden Street, Birmingham.
1906.		PARKES, HOWARD RODERICK.	Messrs. Taylor Brothers & Co., Dacre House, Victoria St., S.W.

Date	of	El	ecti	on.
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1900.	Parkinson, Ernest	Canal Iron Works, Shipley, Yorks. [Temples, Shipley. 4080.]
1910.	PARR, TOM DIXON	68 Guilford St., Russell Square, W.C.
1902. G.) 1909. A.M.	PARRATT, HERBERT EDWIN	1 Stradella Road, Herne Hill, S.E.
1905.	PARROTT, ARTHUR GEORGE	Vaughan Pulley Co., West Gorton, Manchester.
1909.	PARRY, CHARLES WOODALL	(351 Edward Charles Avenue, Montreal, Canada.
1909.	PARRY, HUBERT MUSGRAVE	(Lieut.), 3rd Cheshire Brigade, R.F.A., Jesus College, Cam- bridge.
1899. G.) 1901. A.M.)	LETT, B.Sc	Munic. Technical School, Suffolk St., Birmingham.
1913.	PARSONS, HENRY ARTHUR	Ivy House, Newbury, Berks. (Patent Shaft and Axletree Co.,
1906.	Parsons, Horace William	Wednesbury.
1906. G.) 1912. A.M.)	Parsons, Joshua	12 Warwick Avenue, Paddington, W.
1904.	Parsons, Thomas George	Manager, Rossleigh Ltd., 23 Albert Square, Dundee.
1901.	PATCHETT, JOSEPH HENRY	Hawthorne House, Addingham,
1910.	Patel, Hormusji Ruttonji	Superintending Eng., Agra Water Works, Agra, India.
1896.	Ратег, Мотівнаї Внікнавнаї	Bhadran, near Borsad, India.
1896.	PATEL, RAOJIBHAI MOTIBHAI	Secretary, P.W.D., Hathipole, Chamrajendra Rd., Baroda, India.
1911.	PATERSON, DAVID	Aenakhall Tea Estate, Monacherra P.O., Cachar, India.
1911.	Paterson, James David	Gourepore Jute Mill, Naihati, E.B.S.R., Bengal.
1911.	{Paterson, John James Crosbie	Loco. Dept., B.B. and C.I. Rly., Bombay, India.
1913.	PATERSON, ROBERT	c/o Mrs. Budgen, Sycamore Road, Linthorpe, Middlesbrough.
1914.	Paterson, Robert Thomas	Messrs. Fraser and Chalmers, Erith, S.O., Kent.
1902.	PATERSON, WILLIAM	Natural Soda Works, Bir-Hooker, Wady Natron, Egypt.
1907.	PATON, GEORGE	c/o Messrs. Grindlay & Co., 54 Parliament Street, S.W.
1914.	PATTERSON, HAMILTON	300 Thorold Road, Ilford.
1915.	PAVITT, EDWIN GEORGE	United Legal Indemnity Insce. Society, 222–225 Strand, W.C.
	PAYNE, CHARLES AUGUSTUS	Asiatic Petroleum Co., c/o Messrs.
1909. A.M. 1898. G.	1	Best & Co., Madras, India. Bromley Common, Bromley,
1902. A.M.	PAYNE, FRANK GERVAS	(Kent.
1909.	PEACH, CHARLES EDMOND	Egyptian State Railways, Boulac, Cairo, Egypt.
1901. G.	PEACOCK JESSE BUTLER	District Eng., Delta Light Rlys.,
1910. A.M.	,)	Zagazig, Lower Egypt. (Sirona, Hermitage Road, Hale,
1908.	PEACOCK, JOSEPH FRANK	Altrineham. (Chief Eng., Messrs. Loders &
1907. G. 1909. A.M.	PEACOCK, PHILIP GEORGE	Nucoline, Cairn Mills, Silver-
		town, E.

1915. PEAKER, ARTHUR	102	ABBOOLAIR MI	EMBERG.
1911. PEAL, EDWARD RAYMOND 1904. G. 1907. A.M. 1913. PEARCE, THOMAS 1908. PEARSAIL, RALPH HOWARD 1909. PEARSON, ALBERT 1901. PEARSON, ALBERT 1902. PEARSON, JOHN BARRINGTON 1903. PEARSON, JOHN BARRINGTON 1904. PEET, HENRY CHARLES 1906. PEET, HENRY CHARLES 1907. G. 1910. PERCY, FRANK 1907. G. 1911. PERCY, FRANK 1908. PERRY, WILLIAM HENRY 1909. PERRY, WILLIAM HENRY 1901. A.M. 1904. PERRINS, WILLIAM HENRY 1904. PERRINS, WILLIAM HENRY 1905. G. 1906. G. 1906. G. 1911. A.M. 1907. G. 1910. PERKY, FREDERICK BUCKLAND 1909. PERRY, FREDERICK BUCKLAND 1909. PERRY, FREDERICK BUCKLAND 1909. PETT, ARTHUR EDWARD 1909. PERRY, FREDERICK BUCKLAND 1909. PERRY, FREDERICK BUCKLAND 1902. PETT, ARTHUR EDWARD 1903. PERRY, FREDERICK BUCKLAND 1904. PHILLIPS, GEORGE WILLIAM 1905. PHILLIPS, COMORE FRANCIS 1914. PHILLIPS, WALTER 1914. PHILLIPS, WALTER 1915. PHILLIPS, WALTER 1916. G. 1917. ARM 1917. ARM 1918. PERCY, FRANK 1919. PERRY, FREDERICK BUCKLAND 1919. PERRY, FREDERICK BUCKLAND 1919. PERRY, FREDERICK BUCKLAND 1919. PETT, ARTHUR EDWARD 1919. PERRY, FREDERICK BUCKLAND 1919. PERRY, FREDERICK BUCKLAND 1909. PERRY, FREDERICK BUCKLAND 1909. PERRY, FREDERICK BUCKLAND 1901. PERRY, FREDERICK BUCKLAND 1902. PETT, ARTHUR EDWARD 1903. PERRY, FREDERICK BUCKLAND 1904. PHILLIPS, GEORGE WILLIAM 1905. PERRY, FREDERICK BUCKLAND 1906. PERRY, FREDERICK BUCKLAND 1907. G. 1910. A.M. 1908. PERRY, FREDERICK BUCKLAND 1909. PERRY, FR	Date of Elect	ion.	
1911. PEAL, EDWARD RAYMOND 1904. G. 1907. A.M. 1913. PEAR, FERDINAND 1908. PEARSALL, RALPH HOWARD 1908. PEARSON, ALBERT 1908. PEARSON, JOHN BARRINGTON 1908. PEARSON, JOHN BARRINGTON 1908. PECK, HERBERT HORACE 1901. PECK, HERBERT HORACE 1904. PEET, ARTHUR 1915. PERKINS, CHARLES 1901. PEPER, WALTER REEVE 1901. PEPER, WILLIAM HENRY 1904. PERKINS, CHARLES BEOAD 1907. G. 1910. A.M. 1908. PERRINS, CHARLES BEOAD 1909. PERRINS, CHARLES BEOAD 1909. PERRINS, CHARLES BEOAD 1901. PERKINS, CHARLES BEOAD 1902. G. 1910. A.M. 1909. PERRINS, CHARLES BEOAD 1909. PERRINS, CHARLES 1909. PERRINS, CHA	1915.	PEAKER, ARTHUR	Emlyn Works, Newport, Mon.
1904. G. 1907. A.M. Peam, Ferdinand	1911.	Date Frances Dimens	Messrs. Escher Wyss & Co., 109
1908. PEARCE, THOMAS Bombay. 1908. PEARSON, ALBERT	1904. G 1907. A.M	DEAN FERRINAND	Works Supt., Igranic Electric Co.,
1908. PEARSALL, RALPH HOWARD. 1914. PEARSON, ALBERT 1908. PEARSON, GEORGE ARMSTRONG 1908. PEARSON, JOHN BARRINGTON 1908. PECK, HERBEET HORACE 1901. PECK, HERBEET HORACE 1901. PECK, HERBEET HORACE 1910. PEET, HENRY CHARLES 1911. PELL, HENRY WILLIAM LEACH 1907. G. 1912. A.M. 1904. PERGY, FRANK 1904. PERKINS, CHARLES BEOAD 1905. PERKINS, CHARLES BEOAD 1906. G. 1912. A.M. 1907. G. 1918. PERKINS, WILLIAM HENRY 1908. PERKINS, WILLIAM JOHN 1909. PERKINS, PERCIVAL 1900. PERKINS, CHARLES BEOAD 1901. PERKINS, WILLIAM JOHN 1902. G. 1911. A.M. 1903. PERKINS, PERCIVAL 1904. PETTIT, ARTHUR EDWARD 1905. PETTIT, ARTHUR EDWARD 1906. PETTIT, ARTHUR EDWARD 1907. PETTIT, ARTHUR EDWARD 1908. PHILLIPS, GEORGE INGRAM DE 1909. PHILLIPS, GEORGE FRANCIS 1914. PHILLIPS, WALTER HENRY 1904. PHILLIPS, WALTER HENRY 1906. PHILLIPS, WALTER HENRY 1907. PHILLIPS, WALTER HENRY 1908. PHILLIPS, WALTER HENRY 1909. PHILLIPS, WALTER HENRY 1909. PHILLIPS, WALTER HENRY 1909. PERROVAL 1909. PERROSE, PHILLIAM HENRY 1909. PERROSE, PHILLIAM HENRY 1909. PERROSE, PHILLIAM HENRY 1909. PERCOSE, PHILLIAM HENRY 1909. PERROSE, PHILLIAM HENRY 1909. PERCOSE, PHILLIAM HENRY 1909. PERROSE, PHILLIAM HENRY 1909. PERROSE, PHILLIAM HENRY 1909. PERROSE, PHILLIAM HENRY 1909. PERROSE, PHILLIP OWEN 1909. PERROSE, PHILLIAM 1909. PERROSE, P	1913.	PEARCE, THOMAS	c/o Presidency Postmaster,
1908. PEARSON, GEORGE AMSTRONG 1908. PECK, HERBERT HORACE 1901. PECKETT, AETHUR 1906. PELL, HENRY CHARLES 1910. PELL, HENRY WILLIAM LEACH 1907. G. 1912. A.M. 1901. PERCY, FRANK 1901. A.M. 1901. PERKINS, CHARLES 1901. PERKINS, WILLIAM HENRY 1904. PERKINS, CHARLES 1907. G. 1919. A.M. 1908. PERKINS, WILLIAM JOHN 1909. PERKINS, WILLIAM	1908.	PEARSALL, RALPH HOWARD	
1908. PEARSON, GEORGE ARMSTRONG 1908. PEARSON, JOHN BARRINGTON 1908. PECK, HERBERT HORACE 1901. PECKETT, ARTHUR 1906. PEET, HENRY CHARLES 1910. PEIRCE, ALFRED 1911. PEIRCE, ALFRED 1912. A.M. 1911. PEPPER, WALTER REEVE 1901. PERROY, FRANK 1901. A.M. 1915. PERROY, FRANK 1904. PERRINS, ALBERT WILLIAM 1905. PERRINS, WILLIAM JOHN 1906. G. 1912. A.M. 1907. G. 1912. A.M. 1908. PERRINS, WILLIAM JOHN 1909. PERRIN, ALFRED THOMAS 1909. PERRIN, ALFRED THOMAS 1909. PERRIN, ARTHUR EDWARD 1901. A.M. 1909. PERRIN, PERCIVAL 1900. PETTIE, PERCIVAL 1900. PETTIE, PERCIVAL 1900. PETTIE, ARTHUR EDWARD 1900. PETTIE, ARTHUR EDWARD 1901. PETTIE, PERCIVAL 1902. G. 1910. A.M. 1903. PETTIE, PERCIVAL 1904. PHILLIPS, GEORGE WILLIAM 1905. PHILLIPS, GEORGE WILLIAM 1906. PHILLIPS, WALTER 1907. PHILLIPS, GEORGE WILLIAM 1908. PHILLIPS, GEORGE WILLIAM 1919. PHILLIPS, O'MOORE FRANCIS 1914. PHILLIPS, WALTER 1904. PHILLIPS, WALTER 1905. PHILLIPS, WALTER 1906. PHILLIPS, WALTER 1907. PHILLIPS, WALTER 1908. PHILLIPS, WALTER 1909. PHILLIPS, WALTER 1909. PHILLIPS, COMORE FRANCIS 1910. A.M. 1911. PERROY CHARLES 11 Clive St., Calcutta, India. 1909. PERROY, FROM ERROY 12 SAVIOUR'S Road, Leicestor. 12 Saviour's Road, Veicestury. 12 Saviour's Road, Veicestury. 12 S	1914.	PEARSON, ALBERT	Eastern Produce & Estates Co.,
1906. PEET, HENRY CHARLES 1910. PEIRCE, ALFRED 1913. PELL, HENRY WILLIAM LEACH 1907. G. 1912. A.M. 1911. PEPPER, WALTER REEVE 1901. A.M. 1904. PERKINS, ALBERT WILLIAM 1905. PERKINS, CHARLES BROADBENT 1906. PERKINS, WILLIAM JOHN 1917. A.M. 1909. PERRY, FREDERICK BUCKLAND 1900. PERRY, FREDERICK BUCKLAND 1900. PETTIT, ARTHUR EDWARD 1900. PETTIT, ARTHUR EDWARD 1900. PETTIT, ARTHUR EDWARD 1900. PHILLIPS, GEORGE WILLIAM 1901. PHILLIPS, GEORGE WILLIAM 1902. PHILLIPS, O'MOORE FRANCIS 1903. PHILLIPS, WALTER NEED 1904. PHILLIPS, WALTER REEVE 1905. PHILLIPS, WALTER REEVE 112 St. Saviour's Road, Leicester 128 St. Saviour's Road, Leicester 1885. Eng. and Mgr., Chiltern Hills Speion Harefield, Viewfield Road, Wondsworth, S.W. Calcutta Tramways Co., 1 Corporation St., Calcutta, Post, Swings 1897. PERKINS, CHARLES BROADBENT 1896. PERKINS, CHARLES BROADBENT 1897. PERKINS, CHARLES BROADBENT 1898. PHILLIPS, GEORGE WILLIAM 1899. PHILLIPS, GEORGE WILLIAM 1897. PHILLIPS, GEORGE WILLIAM 1897. PHILLIPS, O'MOORE FRANCIS 1897. PHILLIPS, GEORGE WILLIAM 1897. PHILLIPS, WALTER HENRY 1898. PHILLIPS, WALTER HENRY 1994. PHILLIPS, WALTER HENRY 1995. PERKINS, WALTER REEVE 1906. Calcutta Tramways Co., 1 Corporation St., Calcutta, India. 1897. PHILLIPS, WALTER HENRY 1897. PHILLIPS, WALTER HENRY 1898. PHILLIPS, WALTER HENRY 1898. PHILLIPS, WALTER HENRY 1898. Q. Company the Marker 1992. PERKINS, WALTER HENRY 1908. PHILLIPS, WALTER HENRY	1908.	Pearson, John Barrington	Municipal Technical College, Hull. 6 Spencer Street, Carlisle. Surrey Lodge, Henley-on-Thames.
1906. PEET, HENRY CHARLES	1901.	PECKETT, ARTHUR	Messrs. Albert Brewer & Co.,
1913. PELL, HENRY WILLIAM LEACH 1907. G. 1912. A.M. PENROSE, PHILIP OWEN 1911. PEPPER, WALTER REEVE 1901. PERCY, FRANK	1906.	PEET, HENRY CHARLES	112 St. Saviour's Road, Leicester.
1913. PELL, HENRY WILLIAM LEACH 1907. G. 1912. A.M. 1911. PEPPER, WALTER REEVE 1901. PERCY, FRANK	1910.	PEIRCE, ALFRED	Asst. Eng. and Mgr., Chiltern Hills
1911. PEPPER, WALTER REEVE 1901. PERCY, FRANK	1913.	PELL, HENRY WILLIAM LEACH	Boston Castle Grove, Rotherham.
1911. PEPPER, WALTER REEVE 1901. PERCY, FRANK			
1901. A.M. PERGY, FRANK			Calcutta Tramways Co., 1 Corpora-
1899. G. 1901. A.M. PEREGRINE, WILLIAM HENRY 1904. PERKINS, ALBERT WILLIAM 1915. { PERKINS, CHARLES BROADBENT 1901. PERKINS, WILLIAM JOHN 1907. G. 1912. A.M. PERKINS, ALFRED THOMAS 1909. PERRIN, ALFRED THOMAS 1900. G. 1911. A.M. PERRY, FREDERICK BUCKLAND Messrs. J. Crosfield & Sons, Bank Quay Works, Warrington. 1902. G. 1911. A.M. PETRIE, PERCIVAL 1903. PETTIE, PERCIVAL 1904. PETTIT, ARTHUR EDWARD 1905. PEYTON, WILLIAM CHRISTIAN 1906. PEYTON, WILLIAM CHRISTIAN 1907. PHILLIPS, GEORGE INGRAM DE BRISSAC 1908. PHILLIPS, GEORGE WILLIAM 1909. PHILLIPS, GEORGE WILLIAM 1910. PHILLIPS, GEORGE WILLIAM 1911. PHILLIPS, O'MOORE FRANCIS 1914. PHILLIPS, WALTER 1904. PHILLIPS, WALTER HENRY 1904. PHILLIPS, WALTER HENRY Walmersley, Burnt Post, Kenilworth Road, Coventry. Manager, Electric Steel Castings Co., 56 Cambridge Street, Sheffield. Pod., 56 Cambridge Street, Sheffield. PODA, 56 Cambridge Street, Sheffield. PAR, Wolverhampton. POMADA STREET ST	1901.	PERCY, FRANK	Mining College, Wigan.
1915. {PERKINS, CHARLES BROADBERT WILLIAM OF BENT		PEREGRINE WILLIAM HENRY	Walmersley Iron Works, Walmers-
Perkins, Charles Broad-Bent Co., 56 Cambridge Street, Sheffield.	1904.	PERKINS, ALBERT WILLIAM	
1901. 1907. G. 1912. A.M. PERKS, THOMAS	1915.	77. W. W. W. W. W.	Manager, Electric Steel Castings Co., 56 Cambridge Street, Shef-
1912. A.M.) PERRIN, ALFRED THOMAS PERRIN, ALFRED THOMAS 1906. G.) 1911. A.M. 1902. G.) 1910. A.M. 1908. PETRIE, PERCIVAL			26 Victoria St., Westminster, S.W.
1909. PERBIN, ALFRED THOMAS 1906. G. 1911. A.M. 1902. G. 1910. A.M. 1902. PETRIE, PERCIVAL			
1911. A.M.) 1902. G. 1910. A.M.) 1902. PETRIE, PERCIVAL			Dominion Bridge Co., Lachine,
1902. G. Petrie, Percival			Messrs. Robey & Co., Lincoln.
1902. PETTIT, ARTHUR EDWARD 8 Old Jewry, E.C. 1906. PEYRECAVE, GASTON RENE DE 1908. PEYTON, WILLIAM CHRISTIAN 1902. PHELPS, GEORGE INGRAM DE 1908. PHILLIPS-SMITH, BERTRAM Craphite Products Ltd., 218-220 1909. PHILLIPS, EDWIN GRANT Conde de Aranda 1, bajo, Madrid, Spain. 1913. PHILLIPS, GEORGE WILLIAM 1912. PHILLIPS, O'MOORE FRANCIS 1914. PHILLIPS, WALTER PHILLIPS, WALTER HENRY SOIL Jewry, E.C. 19 Knightrider St., E.C. 4. B. C. Coupler Ltd., Fallings Park, Wolverhampton. Woodbourne Grange, Woodbourne Road, Edgbaston, Birmingham. Graphite Products Ltd., 218-220 Queen's Rd., Battersea, S.W. Conde de Aranda 1, bajo, Madrid, Spain. 21 Lawn Road, Doncaster. (c'o T. Longdin, Plas Kynaston House, Acrefair, Ruabon. British Insulated & Helsby Cables, 11 Clive St., Calcutta, India. Messrs. Truman, Hanbury, Buxton & Co., Black Eagle Brewery,	1902. G.	PETRIE PERCIVAL	
1906. PEYRECAVE, GASTON RENE DE 1908. PEYTON, WILLIAM CHRISTIAN 1902. {PHELPS, GEORGE INGRAM DE BRISSAC)	\
Park, Wolverhampton. PHELIPS, GEORGE INGRAM DE BRISSAC			
1902. BRISSAC	1908.		Park, Wolverhampton.
1897. PHILLIPS, EDWIN GRANT 1913. PHILLIPS, GEORGE WILLIAM 1914. PHILLIPS, WALTER	1902.		Road, Edgbaston, Birmingham.
1913. PHILLIPS, GEORGE WILLIAM 1912. PHILLIPS, O'MOORE FRANCIS 1914. PHILLIPS, WALTER Spain. 21 Lawn Road, Doncaster. (c/o T. Longdin, Plas Kynaston House, Acrefair, Ruabon. (British Insulated & Helsby Cables, 11 Clive St., Calcutta, India. (Messrs. Truman, Hanbury, Buxton & Co., Black Eagle Brewery,	1908.	PHILIPS-SMITH, BERTRAM	Queen's Rd., Battersea, S.W.
1913. PHILLIPS, GEORGE WILLIAM 21 Lawn Road, Doncaster. (c/o T. Longdin, Plas Kynaston House, Acrefair, Ruabon. 1914. PHILLIPS, WALTER (British Insulated & Helsby Cables, 11 Clive St., Calcutta, India. (Messrs. Truman, Hanbury, Buxton & Co., Black Eagle Brewery,	1897.	PHILLIPS, EDWIN GRANT	
House, Acrefair, Ruabon. 1914. PHILLIPS, WALTER (British Insulated & Helsby Cables, 11 Clive St., Calcutta, India. Messrs. Truman, Hanbury, Buxton & Co., Black Eagle Brewery,	1913.	PHILLIPS, GEORGE WILLIAM	21 Lawn Road, Doncaster.
1904. PHILLIPS, WALTER HENRY \ 11 Clive St., Calcutta, India. \ Messrs. Truman, Hanbury, Buxton & Co., Black Eagle Brewery,	1912.	PHILLIPS, O'MOORE FRANCIS	c/o T. Longdin, Plas Kynaston House, Acrefair, Ruabon.
1904. PHILLIPS, WALTER HENRY & Co., Black Eagle Brewery,	1914.	PHILLIPS, WALTER	11 Clive St., Calcutta, India.
	1904.	PHILLIPS, WALTER HENRY	& Co., Black Eagle Brewery,

		(D) E CI II TI
1899.	PHILLOTT, GEORGE HENRY	{Plas Trevor, Charlton Kings, Cheltenham.
1899. G.) 1902. A.M.	PHILPOT, HAROLD PERCY	Engineering Laboratory, University College, Gower St., W.C.
1903.	PICKERING, WILLIAM SELLERS	19 Sefton Terrace, Beeston Hill,
1909.	Pickford, Fred	Leeds. The University, Manchester.
1910.	PICKUP, JAMES ARLINGTON	The University, Manchester. (Sergt.), Ward F. 2, Royal Naval
	(Pickvance, William Grieg-	Hospital, Chatham. Borough Elect. Eng., Electricity
1909.	SON	Works, Willow Road, Wrexham.
1908.	PIDGEN, ALBERT	Messrs. Pidgen Bros., 209 City Road, E.C.
1899.	Pigott, Arthur	14 Bank Chambers, Fargate, Sheffield.
1907. G.)	D	Anglo-Mexican Petroleum Pro-
1915. A.M.	PILE, WALTER DEVEREUX	ducts Co., Avenida Rio Branco 41, Rio de Janeiro, Brazil.
1902. G.)	PIMM, ARTHUR WATSON	Messrs. Greenwood and Batley
1906. A.M.	I Imm, attitude water	Ltd., Leeds. (1 St. Albans Rd., Moseley, Birming-
1907.	PINFIELD, WILLIAM VICKERY	ham.
1908.	PING, HAROLD JOHN	Messrs. Hans Renold, Burnage
1001	Description Marchael Charger	Works, Didsbury, Manchester. (Hobart House, Park Road, South
1901.	PINKNEY, THOMAS SAMUEL	Farnborough, Hants.
1906.	PITCAIRN, FRANCIS BERNARD	Eng., Water Works, Shanghai, China.
1909.	PITKEATHLY, JAMES SCOTT,	Electrical Inspector, Govt. of the
1910.	PITMAN, PERCY HECTOR	United Provs., Allahabad, India. 125 Victoria Street, Westminster,
		S.W. Wolseley Tool & Motor Car Co.,
1906.	PITT, JAMES DAVIES	Adderley Park, Birmingham.
1907.	Pitt, Philip Septimus	132 Dora Road, Wimbledon Park, S.W.
1913.	PITT, ROBERT WALTER	27 Brighton Gardens, Gateshead.
1902.	PITTAR, ALBERT VYVYAN	P.O. Box 274, Boksburg, Trans- vaal.
1900. G.)	PLAISTER, WILLIAM EDWARD	341 Royal York Crescent, Clifton,
1903. A.M.	, , , , , , , , , , , , , , , , , , , ,	Messrs. Easton Gibb & Son, H.M.
1900.	PLANT, DAVID THOMAS	Dockyard, Rosyth, Inverkeithing,
		Fifeshire. (Engineering Standards Committee.
1900. G.) 1906. A.M.	PLANTE, STANLEY GEDGE	28 Victoria St., Westminster,
1500. A.M.)	(PLATT, Capt. RALPH ERNEST,	S.W.
1908.	late R.A. and A.O.D	(c/o John Platt, 97 Cedar St., New York, U.S.
1014	Denvey Dancy Torrygon	Turbine Dept., British Westing-
1914.	PLEVIN, PERCY JOHNSON	house Co., Trafford Park, Man- chester.
1908.	Pochin, Edward Arnold	Trafford Park, Manchester.
1904. 1903. G.)	Podesta, John James	186 Prestwood, Wolverhampton. Loco. Superheater Co., 30 Church
1907. A.M.)	FOIGNAND, FRANCIS NESSITT	St., New York, U.S.
1905.	POLDEN, FRANCIS CHARLES (POLE - WEDLAKE, REGINALD	56 Cannon St., E.C. [City 3885.]
1906.	WILLIAM	Sir W. G. Armstrong, Whitworth & Co., Openshaw, Manchester.

Date of Election	•	
1907.	POLGLASE, ARTHUR HEDLEY	134 Bradford Road, Shipley.
1915.	POLLARD, EDWARD	Water and Sewerage Works, Stan- bridge Works, Leighton Buzzard.
1912.	Pollock, Charles Albert	c/o A. Sutcliffe, Saanich Holme, R.M.D. No. 3, Victoria, B.C.
1911.	POLYCHRONIADIS, LAZARUS SERAFIM	
1904.	PONTIFEX, BEAUMONT	Marconi's Wireless Telegraph Co., Marconi House, Strand, W.C.
1913.	Poole, Gerard Evelyn	Engineer's Office, Millwall Dock, E.
1909. G.) 1910. A.M.)	Poole, Lesley Gower	Wykeham, Alexandra Road, Farn- borough, Hants.
1902.	Poole, Richard	The Cottage, Ruislip, Uxbridge.
1912.	POOLEY, JAMES PRICE FAVELL	Messrs. Martin and Co., 6-7 Clive St., Calcutta.
1905.	Pope, Ashley Philip	Briergate, South Park, Lincoln.
1910.	PORRITT, PERCY BLADES	Vulcan Iron Works, 172 Lower Circular Rd., Calcutta.
1903.	PORTER, EUSTACE WILLIAM	Res. Eng., Caledonian Canal, Inverness.
1905.	PORTER, RALPH CLASSON	University Power Station, Edg- baston, Birmingham.
1912.	PORTWAY, ROBERT CORNELL	Goswell Engineering Co., 294 Goswell Road, E.C.
1912.	POTTS, SAMUEL	Messrs. A. G. Enock & Co., Thane Works, Fountayne Rd., Broad Lane, Tottenham, N.
1910.	Poulson, Harry	Cockburn High School, Leeds.
1914.	POULTNEY, EDWARD CECIL	Springfields, West Bromwich.
1909.	Poulton, William	32 Main Rd., Holmleigh, Hands- worth, Sheffield.
1910.	Powell, Albert	Superintending Eng., Textile Mills Co., Bombay.
1895.	POWELL, BENJAMIN NEWTON	Manager, Lidgerwood Manufactur- ing Co., Soerabaya, Java.
1903.	Powell, Charles Skryne	711 Illuminating Bldg., Cleveland, Ohio, U.S.
1900.	POWELL, DAVID THOMAS	Messrs. Kennedy and Donkin, 17 Victoria Street, Westminster, S.W.
1907.	POWELL, FRANK EDWARD	25 Ferry Buildings, Auckland, New
1913.	POWELL, HENRY	Zealand. 2 St. Michael's Hill, Bristol.
1907.	POWELL, WILLIAM HENRY	Royal School of Mines, South
1903.	POWNALL, JOHN EDMUND	Kensington, S.W. Electricity Works, Stanley Road, Tunbridge Wells.
1899.	POWRIE, WILLIAM LYALL	65 Bromfelde Road, Clapham, S.W.
1913.	Poynting, Arthur	Chief Engineer's Office, Port of London Authority, 109 Leaden- hall St., E.C.
1898.	PRANCE, CYRIL ROOKE	Mamiaanshoek, Zwagershoek P.O., Nylstroom, Transvaal.
1902. G.)		Manager, Messrs. Pratchitt Bros.,
1909. A.M.	HOUSE	Denton Iron Works, Carlisle.
1910.	PRATT, JAMES	Sir W. G. Armstrong Whitworth & Co., Elswick Works, New-castle-on-Tyne.

Date of Election	, and the same of	
1898. G.) 1905. A.M.)	PREEN, ARTHUR HARVEY	4 Crown Tce., Cricklewood Lane, Cricklewood, N.W.
1912.	PRESCOTT, KENNETH SEYMOUR	National Gas Éngine Co., Ashton- under-Lyne.
1915.	PRESTON, ARCHIBALD	Managing Director, Messrs. Sharp & Preston, St. Kevins Engineer- ing Works, Dublin.
1902.	PRICE, ALBERT EDWARD	George Price's Safe Co., Church Lane, Wolverhampton. [Safes, Wolverhampton. 225.]
1912.	PRICE, FRANCIS LONGUEVILLE	(c/o Messrs. Blackstone & Co., Stamford.
1913.	PRICE, FREDERICK CHARLES	Delamer House, Delamer Road,
1915.	PRICE, JOHN	Ocean Coal Co., Ystrad, Rhondda Valley, Glam.
1913.	PRICE, JOHN THOMAS	Hillcroft, Kingswinford, Dudley.
1912.	PRICE, OWEN ALFRED	Messrs. Ruston, Proctor & Co., Sheaf Iron Works, Lincoln.
1909.	PRICE, REGINALD SHERLEY	Elimleigh, Hayne Road, Becken- ham.
1900.	PRICE, ROWLAND	Cordite Factory, Aruvankadu, Nilgiris, India.
1893. G.) 1899. A.M.)	PRICE, WILLIAM FREDERICK	Callender's Cable and Construction Co., Hamilton House, Victoria Embankment, E.C.
1912.	PRICE, WILLIAM JOHN	P.O. Box 107, Dixon, Illinois, U.S.
1904.	PRIDEAUX, FRANCIS GREVILE	Engineer's Office, G. S. & W. Rly., Inchicore, Dublin.
1912.	PRIESTLEY, CHARLES GORDON	20 Plasturton Gardens, Cardiff.
1899. G.) 1901. A.M.)	PRITCHARD, ROGER CROMWELL	55 Highbury New Park, N.
1903.	PROCTER, CHARLES GILBERT	(Lieut.) D.O. Fovant, Fovant Camp, Salisbury.
1904. G.)	PROSSER, NATHANIEL LITTLER	51 Hillmorton Road, Rugby.
1910. A.M. § 1899. G.	PROSSER, ROBERT WALTER	(108 South Hill Park, Hampstead,
1903. A.M.) 1913. G.)	OSTELL	N.W.
1913. G.) 1915. A.M.	PROTHEBO, EDWIN GEORGE	Messrs. Cadbury Bros., Bournville, Birmingham.
1910. G.)	PROUDMAN, SEPTIMUS STEPHEN	Messrs. Cammell, Laird & Co.,
1913. A.M.)	THOMPSON CARL ADOLF	Claremont, 2 Queen's Rd., Sketty,
1901.	PRYOB, HENRY ALLEN	Swansea. 170 and 72 Chancery Lane, W.C.
1914.	PSICHA, PANDELI THESEUS	[Patent, London. Holborn 243.] 44 Frognal, Hampstead, N.W.
1910.	PUDNER, Eng. Lieut. WILLIAM	H.M.S. "Dominion," c/o Post-
1904. G.)	HENRY, R.N	master General, E.C. Public Works Dept., George Town,
1911. A.M.	Pudsey, Fawcett	Demerara.
1912.	Pull, Ernest, R.N.R	7 Trelawney Road, Hackney, N.E. (Bog Mines Ltd., Minsterley,
1907.	Pulleine, John James	Shrewsbury. 1 North Street, Smethwick, Bir-
1907.	Pullin, Joseph Alexander	mingham.
1909. G.	PULLMAN, HUGH	12 Castle Street, Sneinton, Not- tingham.
1905.	PULSFORD, FREDERICK CHARLES	

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1913. 1911. 1904. G. 1907. A.M. 1900. 1901.	PURCHAS, ARTHUR WILLIAM PURSEY, HERBERT STANLEY PURVES, WILLIAM THOMPSON PYE, JOSEPH HARGER	Federated Malay States Rlys., Kuala Lumpur, F.M.S. Westow, Kirkham Abbey, York. Calcutta Tramways Co., Calcutta, India. 13 Albany St., Edinburgh. [1259.] Manager, Gas Works, Clevedon. (Capt., R.E.), D.O.E.L. Isle of Wight, Fort Victoria, Yarmouth, I. of W.
1908.	PYNE, FREDERICK DENNIS	Wight, Fort Victoria, Yarmouth,
	,	I, of W.

1905.	QUELCH, ARTHUR TEMPLE {Manganese Bronze & Brass Co., David's Wharf, Millwall, E.	St.
1905.	QUICK, ALBERT HEDLEY Engineer's Dept., L.C.C., Spr. Gardens, S.W. (Lieut.), County Club, Westgron-Sea, Kent.	ing
1904.	QUINE, FREDERIC CARLYLE (Lieut.), County Club, Westga	ite-
1908. G.) 1912. A.M.)	QUINTON, WALTER RICHARD 99 Rochdale Road, Plumstead.	
1914.	Quirke, Edward Delamer (301 South Main Street, Kewan	100,

1906.	RADCLIFFE, JOHN JAMES	Messrs. Thomas Robinson & Son, Railway Works, Rochdale.
1910.	RAFFETY, SIDNEY ROBERT	Sidmouth, St. James Rd., Sutton, Surrey.
1903.	RAINER, EDWARD ALLAN	Messrs. Arnhold, Karberg & Co., 14 Fenchurch St., E.C.
1897. G.) 1901. A.M.)	RAINFORTH, WILLIAM FRED-	1 Acacia Road, Acton, W.
1902.	RANKIN, ERNEST ALFRED	Somerville, Bourton, Dorset.
1913.	RANKINE, WILLIAM	L.C.C. School of Engineering and Navigation, High St., Poplar, E.
1909.	Rapson, Benjamin	Laburnum, Drayton Road, Bore- ham Wood, Herts.
1900. G.) 1901. A.M.	RASEY, ALFRED ERNEST	Messrs. Mellowes & Co., 28 Victoria St., Westminster, S.W.
1914. 1907. G.)	RATCLIFFE, HAROLD EWART	Mond Nickel Co., Clydach, Glam.
1911. A.M.)	RAYNER, ARTHUR JAMES	Oudh and Rohilkund Rly., Luck- now, India.
1906. G. 1910. A.M.	RAYNER, HERBERT	6 Whitbread Avenue, Bedford.
1908.	RAYNER, JOHN MERRICK	4 Seathorpe Gardens, Thorpe Bay, Essex.
1902.	READ, CHARLES MACARTNEY	11 Hailsham Avenue, Streatham Hill, S.W.

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1904.	REAY, EDWARD	British Burma Petroleum Co.,
	REDDING, FREDERICK CHAP-	Yenangyaung, Upper Burma, (Gun and Shell Factory, Cossipore,
1912. A.M.		Bengal, India.
1899.	REDDING, WALTER	Ingfield, Jackson Avenue, Gled-
1892. G.)		how, Leeds. 15 South St., Finsbury, E.C. [In-
1897. A.M.	REDFERN, CHARLES GEORGE	vention, London. Central 4492.]
1908.	Redfern, Charles Julian	41 Boutelli St., Leominster, Mass., U.S.
1903.	REDMAN, SYDNEY GEORGE	Collingwood Bldgs., Newcastle-on- Tyne.
1913.	REES, JOSEPH HENRY	Govt. Rly. Shops, Ipswich, Queens- land.
1906.	REEVE, JAMES	6 Valley Road, Streatham, S.W.
1914.	REEVE, WALTER	{17 Eton Road, Ilford. [Former A.M. 1903–1908.]
1000		(c/o Assistant Genl. Manager, S.
1906.	Reid, Frederic	African Rlys., Bloemfontein, O.R.C.
1905.	Reid, John Alexander	Tyrone House, Tyrone Road, Thorpe Bay, Essex.
1902.	Reid, John Wilson	The Siam Forest Co., Bangkok,
20021	REID, JOHN WILSON	Siam.
1911.	REID, ROBERT WHYTE	Carriage and Wagon Dept., Midland Rly., Derby.
1905. G.)	RENDELL, HENRY THOMAS	Conegar, Stoke Poges Lane, Slough.
1915. A.M.		(Messrs. Renwick & Co., Sugar-
1914.	RENWICK, WILLIAM BARR	Cane Crushing Mills, Kushtia, . Bengal.
1903.	REW, REGINALD JOHN	66 Mount Pleasant Rd., Exeter.
1903.	REXWORTHY, HAROLD SIBREE	2 Everest Road, Eltham, S.E.
1901.	REYNOLDS, ALFRED MILWARD	Messrs. John Reynolds & Sons, Newtown Row, Birmingham.
1909.	REYNOLDS, BERTIE	1 Velindra Road, Whitchurch, Glamorganshire.
1912.	REYNOLDS, CHARLES HAROLD	Messrs. C. Leethem & Co., Arundel Street, Portsmouth.
1912.	REYNOLDS, EDWARD WILLIAM	Engineering Dept., H.M. Dock-
2024	Telliones, Edward Wilhelan	\ \ yard, Portsmouth. \ \(\text{Manager, Messrs. Perkins, Macin-} \)
1912.	REYNOLDS, OLIVER	tosh & Co., Sandridge Rd., St.
		Albans. (Erecting Dept., Babcock and
1914.	REYNOLDS, WILLIAM ALFRED	Wilcox Co., Oriel House, Far-
		ringdon St., E.C.
1906.	RHODES, EDGAR	Manager, Romapac Tramway Con- struction Co., 24 Meadow Lane,
		Leeds.
1908.	RHODES, SAMUEL COLEY	Gordon College, Khartoum, Sou- dan, Egypt.
1010	D	Messrs. Rhodes, Brydon and Co.,
1912.	RHODES, WILLIAM FOSTER	Gorsey Brow, Waterloo, Stock- port.
1911.	RIBEIRO, SAMUEL	Messrs. Duarte, Serva & Co., P.O.
1907. G.)		Box 1275, São Paulo, Brazil. 17 Elmfield Road, Davenport,
1915. A.M.	RICHARDS, CLIFFORD CHARLES	Stockport.
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Date	of	E	ecti	on.
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1914.	RICHARDS, DANIEL	Messrs. Chas. Taylor & Co., 19a
1914.	RICHARDS, FERDINAND	Thorold Rd., Wood Green, N. Port Talbot Steel Co., Port Talbot.
1912.	RICHARDS, FRANCIS BARTLETT	c/o Messrs. Woodall and Duckham, Palace Chambers, 9 Bridge St.,
1912.	RICHARDS, FRANK HERBERT	Westminster, S.W. 16 Glenlyon Road, Eltham, S.E.
1910.	RICHARDS, GEORGE TILGHMAN	Royal Aero Club, 166 Piccadilly, W.
1911.	RICHARDS, JAMES GARFIELD	New Vaal River Diamond and Exploration Co., Sydney-on-Vaal, Kimberley, Cape Colony.
1912.	RICHARDS, WILLIAM JOHN	Aber Collieries, Ogmore Vale, Bridgend.
1906.	RICHARDSON, DAVID	Northern Polytechnic, Holloway Rd., N.
1911.	RICHARDSON, GEORGE WILLIAM	Kolar Gold Fields Electricity Dept., Oorgaum, Mysore State, S. India.
1912.	RICHARDSON, HAROLD WILL-	"Electrical Times," Sardinia House, Sardinia St., E.C.
1913.	RICHARDSON, HARRY	Binstead, Ashton - upon - Mersey, Manchester.
		(Electricity Works of St. Maryle-
1909.	RICHARDSON, THOMAS KNOWLES	bone Council, Edgware Road, N.W.
	(RICHEY, WILLIAM FREDERICK	Messrs. Chance Brothers & Co.,
1893.	ALBERT	Lighthouse Works, near Bir- mingham.
		(Lieut., R.N.V.R.), H.M. Wire-
1910.	RICHMOND, HABOLD	less Station, Ascott-under-Wych- wood, Oxford.
1906, G.) 1914, A.M.	RICKIE, ALEXANDER JOHN	10 Nawab Putty Road, Cossipore, Calcutta.
1904. G.)		sc/o The Agent, Burma Railways
1908. A.M.)	RICKIE, JAMES HEPBURN	Co., Rangoon, Burma.
1916.	RICKS, STANISLAUS JOSEPH	Messrs. Mather and Platt Ltd., Wallace House, Calcutta.
1913.	RICKWOOD, HENRY JOHN	18 Duppas Hill Road, Croydon.
1913.	RIDGWAY, ALBERT EDWARD	Federated Malay States Rlys., Kuala Lumpur, Selangor, F.M.S.
	AUGUSTUS	(Værnedamsvej 911, Copenhagen,
1913.	RIEHN, JOHN FREDERIK	Denmark.
1912.	RIELLEY, PETER	1 Balfour Bldgs., 18 Yuen Ming Yuen Rd., Shanghai, China.
1912.	RIES, ADOLPH HULETT	Loco. Dept., G.E. Rly., Croft St., Ipswich.
1896.	RIETER, E. HENRY	Landeck, Tyrol, Austria.
1912.	RIGBY, HENRY	Messrs. Ashmore, Benson, Pease & Co., Stockton-on-Tees.
1908.	RIGGS, ARTHUR LEVI	United Legal Indemnity Insurance Society, 222–225 Strand, W.C.
1909.	RILEY, FRANK	Elton Iron Works, Bury, Lancs.
1914.	RILEY, FRED	Res. Eng., Whalley Asylum, Whalley, Blackburn.
1914.	RILEY, WILFRID	Managing Director, Monk Engineer- ing Co., High St., Coventry.
1914.	RINGROSE, ALBERT	Messrs. Mallett & Co., The Foundry, East London, Cape
1000		Colony.
1909.	RIOCH, ROBERT JOHN	315 Wells Rd., Knowle, Bristol.

Date o	f Ele	ection.	
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1902.	RITCHIE, ANDREW MACKIE {
1905.	RITCHIE, MARRIOTT CLAUDE {
1901.	RIVIERE, PHILIP LYLE {
1903.	RIX, GAYFORD
1907.	ROBARTS, GEORGE FREDERICK WILLIAM
1905. G.) 1906. A.M.)	ROBARTS, HERBERT PRIESTLEY
1903.	ROBERTS, CHARLES DRURY
1913.	ROBERTS, EDWARD FLETCHER
1909. G.) 1914. A.M.)	Roberts, George Goodden
1907.	Roberts, James {
1903.	Roberts, Joseph
1899.	Roberts, Percy Roper
1903.	Roberts, Trevor {
1904.	ROBERTS, WILLIAM POULTER
1910. G.) 1911. A.M.) 1911.	ROBERTSON, ALEXANDER MELVIN
1914.	ROBERTSON, ARTHUR
1912.	Robertson, George Wallace
1913.	Robertson, Henry Lings
1908.	ROBERTSON, HERBERT {
1906.	ROBERTSON, JAMES ALEXANDER
1906.	Robertson, James French {
1909.	Robertson, John {
1903.	ROBERTSON, JOHN MURRAY {
1906.	ROBERTSON, RUDOLPH ALEX-
1900. G.) 1906. A.M.	ROBERTSON, WALTER HENRY)
1912.	ROBINSON, ALFRED ERNEST {
	,

5 Johannes St., Troyeville, Johannesburg, Transvaal. 145 Farringdon Road, E.C. [Ritchiedom, London. City 4322.7 Calcutta Electric Supply Corpn., P.O. Box 304, Calcutta. Siemens Bros. Dynamo Works Ltd., Caxton House, Tothill St., Westminster, S.W. Hughenden Rd., Clifton, Bristol Oficina Curico, Pampa Central, Antofagasta, Chile. Deputy City Engr.'s Office, Water Wks. Dept., City Hall, Toronto, Canada. c/o Misses Hall, 59 Chepstow Place, Bayswater, W. 5 Bedford Grove, Eastbourne.

Messrs. Hayward Tyler & Co., 99 Queen Victoria St., E.C. Manager, Melbourne Tramway and Omnibus Co.'s Car Factory, 27 Scotchmer St., N. Fitzroy, Melbourne, Victoria. Sandycroft Foundry Co., Chester; and 7 Ashby Pl., Flookersbrook, Chester. Divl. Supt's. Office, G.W. Rly., High St. Station, Swansea. Divi Pumping Project, Avinigudda P.O., Kistna District, India. Messrs. Robertson and Adams, 52 St. Enoch Sq., Glasgow. The University, Manchester. Rising Sun Petroleum Co., Box 58, Yokohama, Japan. Turbine Dept., Messrs. Dick, Kerr & Co., English Electric Works, Preston. Messrs. James Robertson and Sons (F. Wood), Ltd., Dock St Engineering Works, Fleetwood. Messrs. E. H. Hunter & Co., Kobe, Japan. Sunnyside, Fleetwood. Messrs. Burn & Co., Howrah Iron Works, Howrah, Bengal. 25A Park Road, Forest S.E. Messrs. J. M. Robertson & Co., Simla, India. 36 St. Mary's Grove, Chiswick, W. [Chiswick, 1181.] Lynton Works, Bedford. Asst. Mechl. Supt., Bombay Port

Trust, Mazagon, Bombay.

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1908.	ROBINSON, FREDERICK HAROLD	Singapore Electric Tramway Co., Singapore, Straits Settlements.
1910.	Robinson, Herbert Williams	Littleslade, Foxley Lane, Purley, Surrey.
1912.	ROBINSON, PERCY MALCOLM	Electl. Dept., United Engineers Ltd., 5 Battery Rd., Singapore, Straits Settlements.
1909.	ROBINSON, PHILIP SEYMOUR	Messrs. T. Robinson & Son, Railway Works, Rochdale.
1901.	ROBINSON, SYDNEY GREEN-	Messrs. F. L. Smidth & Co., Palace Chbrs., 9 Bridge St., Westminster, S.W.
1903.	ROBINSON, THOMAS HENRY	Rushley, Edwalton, Notting-
1914.	Robson, Andrew	9 Dakers Place, Hawick.
1912.	Robson, George	Messrs. Clayton & Shuttleworth,
1908.	Robson, John	Stamp End Works, Lincoln. 26 Dalhousie Square, Calcutta.
4005		L.C.C. School of Marine Engi-
1905.	Robson, John Henderson	neering, High Street, Poplar, E.
1913.	RODDA, HENRY COLENSO	Great Western Railway, Swindon.
1910.	RODGER, JAMES BLACKWOOD	Messrs. John Blackwood, Pier Head, Barbados, West Indies.
1903.	Roe, Harrison	Ropeways Ltd., Eldon St. House, South Place, E.C.
1900.	ROFE, WILLIAM	c/o Henry Rofe, 8 Victoria Street, Westminster, S.W.
1904.	ROGERS, ERNEST NORMAN	The Chemists' Club, 52 East 41st
1911.	Rogers, Francis Heron	Street, New York, U.S. Broad Sanctuary Chambers, West-
1913.	ROGERS, FRANCIS HERON	minster, S.W. 3 St. Peter's Road, Leicester.
1897.	Port Croper	54 Jesmond Road, Newcastle-on-
1907.		Tyne.
	Rollo, George, Jun	Fulton Engine Works, Liverpool. (Woodville Road, Harborne, Bir-
1912.	ROMANS, ARTHUR HOWARD	mingham.
1912.	Rome, George Harold	24 Wilton Road, Muswell Hill, N.
1905.	G. Rose, William Alexander	7 Gainsborough Street, Plymouth
1915. 1902.	G. ROSENTHAL, FREDERICK	Grove, Manchester. Executive Engineer, Cantonment,
	A.M.) MICHAEL BARBANEL	Secunderabad, India.
1903.	Roseveare, Leslie	Borough Engineer, South Shields.
1900.	ROSEVERE, REGINALD GEORGE	Barnpark, Tavistock.
1914.	Ross, Albert Ernest Lan-	Messrs. Sauvée & Co., Union Works, Park Street, Southwark, S.E.
1913.	Ross, Charles	Sun Laundry, Larne.
1909.	Ross, Charles Aldworth	170 Kings Road, Willesden Green,
		N.W. Chief Inspector of Machinery,
1895.	Ross, Ernest Sydney	Public Offices, Hobart, Tasmania.
1901.	Ross, Frederick George	Nesbit Rd., Mazagon, Bombay.
1914.	Ross, Robert Harold	Messrs. M. Ross, Browne & Co., Trinity Square, Nottingham.
		(Square, Mountain.

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1912.	Rossiter, Thomas Henry	Messrs. Chappell, Allen & Co., Redfield, Bristol.
1904.	Rossiter, William Morgan	88 Sinclair Road, West Kensington, W.
		(Dolog Too Fatata Dolog DO
1911.	ROTHERY, HOWARD GURNEY	Silchar, Cachar, India.
1901.	G.) ROUSE, FREDERICK ROBER	
1911. A.N		N.W.
	2 1	
1898. A.N		9 Rue des Bluets, Paris.
1899.	Rowe, John	Elm House, Camborne.
1909. (7)	(115 Adoloido Marrago Marragatla
1912. A.N	ROWELL, HENRY SNOWDEN	on-Tyne.
	•	(Messrs. Warne, Wright & Row-
1907.	ROWLAND, JOHN DAVID	land, Watery Lane, Birming-
		ham.
1907.	ROWLEDGE, ARTHUR JOHN	
1905.	ROYDS, ROBERT	Royal Technical College, Glas-
		∫ gow.
	Royle, John Sanderson	Moorcroft, Sutton Coldfield, Bir-
1915. A.N	(1.)	(mingnam.
1904.	RUDD, EDWARD WHITTEN	10-16 Aberfeldy Street, Poplar, E.
1913.	RUDGARD, HAROLD	Loco. Dept., Midland Railway
	area and a second	(L.T. & S. Section), Plaistow, E.
1910.	RUSCOE, ALBERT OSWALD	14 Lawrence House, Millbank,
		Westminster, S.W.
1902.	Rush, Charles Henry	3 0 777
	ERSKINE	
1906.	Pusannonar Divis	Chief Mech. Eng., Fuel Economiser
1300.	Rushworth, David	Dept., Clay Cross Co., near Chesterfield.
1911.	H.) p	(Messrs. J. Simpson & Co., 10 Clive
1914. A.M		Street, Calcutta.
	,	(Bassishaw House, Basinghall St.,
1906.	RUTTY, HUGH LESLIE	E.C.
1897.	RYCROFT, JOHN EDWARD	Engineering Dept., Technical
200,1	MYCROFT, JOHN EDWARD	(College, Bradiord.
1912.	Ryder, Alfred Harold	555 Kimberley Drive, Crosby, Liver-
	TATALI, HILLIAND HAROLD	pool.
1914.	Ryder, Edward Howard	(c/o P. T. Houston, 57 Gracechurch
	TITLE TOTALLO	Street, E.C.

1901.	SACCAGGIO, PIETRO CELESTINO	Sud, Buenos Aires, Arg. Rep.
1913.	SAGE, LEONARD	Engineer's Office, Metropolitan Water Board, Brixton Hill, S.W.
1910.	SALMOND, HENRY	25 Wellington St., Glasgow.
1906. G.) 1912. A.M.)	Salway, Alec Dudley	Caixa Correio 11, Natal, Brazil.
1901. G.) 1904. A.M.)	Sandaljian, Bedros {	Electric Boat Co., New London, Conn., U.S.

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1913.	SANDERS, FRANK ARTHUR HENRY	121 Jerningham Rd., New Cross. S.E.
1915.	SANDERS, HAROLD WILLIAM	_
1904. 1907. A	G.) SANDERS, PERCY ALAN	Lexden Park, Colchester.
1911.	SANDERS, PHILIP MALCOLM	"Motor Traction," 20 Tudor St.,
G 1907.	G.) a	E.C. (Spring Dept., Messrs, Brown
1914.	Sanderson, Arnold	Bayley's Steel Works, Sheffield. Messrs. George Turton, Platts & Co., Sheffield.
1915.	Sanderson, George Dal-	Water Sunnly Sowerers and
1899. 1903. A	G SANDERSON, HERBERT WILL-	
© 1902. 1912. A	G.) SANFORD, GEORGE CHRISTO-	Castle Grove, Lancaster.
1909.	SANYAL, RAJENDRA NATH	Chief Eng., Lucknow Iron Works, Lucknow, India.
1912.	SARGENT, TOM	Whitehall Iron Works, Whitehall, Bristol.
1903.	SAUNDERS, ALBERT FRANK	Messrs, Saunders & Stuart, Australasia Chambers, Sydney, N.S.W.
1904. 1907. A	G.) SAUNDERS, CHARLES HENRY .M.) STANLEY	Loco. Dept., Madras & S. Mahratta Railway, Hubli, Bombay Presi- dency.
1908.	SAUNDERS, FREDERICK WAL-	Transcontinental Railway, Port Augusta, South Australia.
1913.	SAUNDERS, SAMUEL MCINTYRE	Messrs. Saunders & Taylor, 43 Lower Mosley St., Manchester.
1904.	Sauvée, Leon Louis	Union Works, 60 Park St., Southwark, S.E. [Sovez, London. Hop 2265.]
1908.	Savidge, Joseph Edward	Finsbury Technical College, Leonard Street, City Road, E.C.
1909. A.	DI.) GEORGE	Assist. Loco. & Carr. Supt., Burma Rlys. Co., Insein, Burma.
1908. 1912. A.	M. SAXELBY, FRED ALBERT	Castle Donington, Derby.
1909. 1915. A.	G. SAXON, LEONARD	(1516 Ashton Old Road, Higher Openshaw, Manchester.
1903. 1906. A.	G. SAYE, KENNETH NOEL	Heathfield, Christchurch.
1908.	SAYER, SYDNEY	31 Savoy Chambers, Cairo, Egypt.
1911,	SCHETTLER, GUSTAV ADOLF	P.o. W. No. 17805, Camp No. 4, Compound 5, Hut 58, Knockaloe Camp, Peel, Douglas.
1913.	SCHOFIELD, FREDERICK JAMES	Assist. Loco. Supt., Beira and Mashonaland and Rhodesia Rlys., P.O. Box 703, Bulawayo, Rhodesia.
1910.	Schofield, Herbert	Principal, The Technical Institute, Loughborough.
1911.	SCHULTZ, ANDREW ALBERT {	7 Riggindale Road, Streatham, S.W.

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1913.	SCHUSTER, FREDERICK MARIA NICHOLAS	(British Coke Ovens Ltd., 7 Princes St., Westminster, S.W.
1910.	SCHUSTER, LEONARD WALTON	English Sewing Cotton Co., National Bldgs., St. Mary's Parsonage, Manchester.
1911.	Schwenk, Frederick Louis	Cape Copper Co., Briton Ferry,
1915.	Scoble, Walter Alfred	3 Greenhill Road, Harlesden, N.W.
1912.	Scoffham, Francis Bew	Messrs. Taylor and Challen, Derwent Foundry, 60 and 62 Constitution Hill, Birmingham.
1905.	SCOTT, FREDERICK WILLIAM	Farm Place, Ockley, Dorking. ((Flight Lieut.), Royal Naval Airship
1908. G.) 1915. A.M.)	SCOTT, GEORGE HERBERT	Station, Walney Island, Barrow- in-Furness.
1902.	SCOTT, HENBY	Borough Electrical Engineer, P.O. Box 42, Te Kuiti, N.Z.
1912.	Scott, John MacDonald	Messrs. James Pollock, Sons & Co., 3 Lloyd's Avenue, E.C.
1897.	SCOTT, NEWTON L	3 Pancras Lane, E.C. [Scophot, London. Bank 8036.]
1899.	SCOTT, ROBERT	(299 Onslow Drive, Dennistoun, Glasgow.
1911.	Scott, Willie	Messrs. Newton, Bean and Mitchell, Dudley Hill, Bradford.
1905.	SCOTT, WOOLBY LOCKWOOD	Messrs. Ransomes, Sims & Jefferies, Orwell Works, Ipswich.
1907.	SCOTT - LINDSLEY, HERBERT LLEWELLYN	Messrs. McKenzie & Holland, Worcester.
1909.	SCRIVENER, RALPH SAMUEL RAVENSCROFT	Jamalpur, Bengal, India.
1903. G.) 1907. A.M.)	SEAGER, FRANCIS PERCY	M.C.E. Works, Dickinson Street, Manchester.
1908.	SEAGRIEF, CHARLES WILLIAM	114 Longford Rd., Chorlton-cum- Hardy, Manchester.
1911.	SEATON, ARTHUR EDWARD	Power House Supt., La Sociedad Comercial de Monte Video, 67 Calle Rincon, Monte Video, Uruguay.
1899.	SECCHI, LEOPOLD	14 Veronica Road, Balham, S.W.
1908.	SECKER, JOHN HUGH	Manager and Eng., Slough Water Works, Slough.
1914.	SEEWALD, CARL CONSTANTIN	Messrs. Slocum, Avram & Slocum, 30 Church Street, New York, U.S.
1909. G. 1915. A.M.	SELLS, MARTIN PERRONET	Lancashire and Yorkshire Rly., Horwich, Lancs.
1903.	SEMARK, CHARLES HENRY	Faversham Iron Works, Faversham.
1915.	SERRIDGE, HERBERT	Borough Engineer's Dept., Durban, Natal.
1906.	SEWELL, HERBERT WILLIAM	Messrs. T. H. Brooker & Co., 45-46 Fetter Lane, E.C.
1910.	SEXTON, WALTER JAMES	26 Sandringham Road, Leyton, N.E.
1911.	SEYMOUR, HAROLD WILLIAM	Corporation Tramway Depôt, Intack, Blackburn.

1892. G.) 1896. A.M.)	SEYMOUR, WILLIAM FREDERICK EARL	(H.M. Inspector of Factories, Vic- toria Parade, Gallowtree Gate, Leicester.
1911.	SHACKLEFORD, ARTHUR NEVILLE	English Club, 478 Bartolomé Mitre, Buenos Aires, Arg. Rep.
1904.	SHACKLETON, ERNEST	Sverre Lodge, 56 Lyndhurst Grove, Peckham, S.E.
1901.	SHADWELL, LANCELOT HORACE AUGUSTUS	Harbour Engineer, Port Natal, S. Africa.
1914.	SHANN, WILLIAM ROBINSON	Dunster, Bulmer Road, New Barnet.
1907.	SHAPTON, NORMAN WILLIAM	Sir W. G. Armstrong, Whitworth & Co., 8 Great George St., West-
1907. G.) 1911. A.M.)		minster, S.W. British Oxygen Co., East Moors, Cardiff.
1898. G.) 1906. A.M.)		Messrs. A. & J. Main & Co., Caxton House, Westminster, S.W.
1906.	SHARPE, GERALD	Rosslyn, South Road, Chorley Wood, Herts.
1901. G.) 1905. A.M.	SHARPLEY, REGINALD	Bryan Wood, Edgerton, Huddersfield.
1906. G.) 1914. A.M.)	SHAW, ARCHIBALD THOMAS	{19 Castleton Road, Upper Walthamstow, N.E.
1910.	Shaw, Charles Frederick	Ardeen, Milner Road, Sea Point, Cape Town, Cape Colony.
1909.	SHAW, JOHN	Manager, Messrs. John Shaw & Sons (Salford), Wellington St. Works, Salford, Manchester.
1909.	Shaw, Peter	Man. Direc., Messrs. John Shaw & Sons (Salford), Wellington St. Works, Salford, Manchester.
1905.	SHAW, THOMAS RAYNOR	4 Ellastone Road, Pendleton, Man- chester.
1902. G.) 1909. A.M.)	SHAW, WILLIAM CALVERT	Messrs. Joseph Shaw & Son, Albert Works, Lockwood, Huddersfield.
1900.	SHAW, WILLIAM CAMPBELL	Berwick House, White Knowle Road, Buxton.
1912.	SHAW, WILLIAM MORRIS	Chief Eng., Messrs. Charles Moore and Co., Lymm, Cheshire.
1908. 1905. G.)	SHEARER, WILLIAM	8 Frederick St., Edinburgh.
1913. A.M.	SHEARMAN, JOHN, Jun	Meadowside, Wistaston, Nantwich.
1913. 1908. G.)	SHEBBEARE, FRANCIS WOLFE SHENSTONE, WILLIAM MCCAL-)	1 The Crescent, Surbiton, Surrey.
1912. A.M.	MAN	5 Burnaby Gardens, Chiswick, W.
1909.	SHENTON, JAMES WILLIAM	The Leeds Forge Co., Leeds.
1915.	SHEPHARD, HARRY	61 Littledale Road, Egremont, Birkenhead.
1914.	SHEPHERD, FRANK WILLIAM HARDING	54 Vincent Square, Westminster, S.W.
1892. G. 1905. A.M.	SHEPHERD, JAMES HORACE	G.W. Rly., Swindon; and 10 Glou- cester St., Swindon.
1906.	SHEPHERD, JAMES WHALEY	Chief Eng., Carnatic Mills Co., Madras.
1913.	SHEPPARD, HARVEY	Hull Steam Trawlers' Mutual Insurance Co., Hull.
1912.	SHERET, DAVID ALEXANDER {	Enerdale House, Heaton Grove, Newcastle-on-Tyne.

1910.	SHERMER, HERBERT LEGASSICK	Messrs. Reunert & Lenz, P.O. Box 92, Johannesburg, Transvaal.
1899.	SHIBA, CHUZABURO	(Engineering College, Imperial University, Tokyo, Japan.
1914.	SHIELD, JAMES BOYD	Works Manager, Messrs. Anderson Boyes & Co., Flemington Elec- trical Works, Motherwell.
1903.	SHINER, ALBERT EDWARD	Bleak House Engineering Works, 2 Holborn Bldgs., Holborn Bars, E.C. [Holborn 1751.]
1907.	SHINNIE, PATRICK NESS	Messrs. R. & J. Shinnie, 7 Union Row, Aberdeen.
1906.	SHIRLEY, FRITZ	H.M. Dockvard, Rosyth, Fifeshire.
1903. G.)	SHOOLBRED, ANDREW REID	Messrs. G. J. Worssam & Son, Wenlock Rd., City Rd., N.
1904. A.M.) 1905.	SHORTHOUSE, BENJAMIN	303 High Holborn, W.C.
1906.	SILVERSTEEN, WILLIAM	Messrs. W. Silversteen & Co., 147
2000.	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Cannon St., E.C. Holmdene Avenue, Herne Hill,
1912.	Simon, Louis John	S.E.
1906.	SIMPER, WILLIAM ALFRED	Messrs. Blackstone & Co., 81 Can-
1900.	SIMPSON, DONALD GRAFTON	\ non St., E.C. \Trafalgar Works, Barbados, W. \ Indies.
1905. G.)	SIMPSON, FREDERICK DUDLEY	Messrs. F. R. Simpson & Co.,
1913. A.M.	CHILDRICK DUDIEL	Oldbury, Birmingham. De Beers Consolidated Mines,
1909.	SIMPSON, HERCULES	Kimberley, South Africa.
1894. G.) 1900. A.M.)	SIMPSON, LIGHTLY STAPLETON	(Capt., R.E.), Rly. Operating Division R.E., A.P.O. 4, British Expeditionary Force.
1896. G.) 1901. A.M.)	SIMPSON, NORMAN DE LISLE	Messrs. D. M. Simpson & Co., Trafalgar Works, Bridgetown, Barbados, W. Indies.
1898.	SIMPSON, STEPHEN	Messrs. Willey & Co. Ltd., Exeter.
1913.	SIMS, GEORGE PATRICK WIL-	21 Cromwell Road, Deckelliam.
1912.	SINCLAIR, HERBERT	Messrs. Octavius Steel and Co., 14 Old Court House St., Calcutta.
1912.	SINGLETON, SAMUEL MARTIN	Chief Eng., Messrs. George Younger & Son, Alloa.
1902. G.)	SINGTON, LEONARD FRANCIS	Managing Director, Lord-Howe
1911. A.M.)	SYMONS	Electrical Engineering Co., 18 James St., Liverpool.
1911.	SKEATES, CONBAD CLEMMANS	Dist. Electl. Engr.'s Office, Electrical Engineer's Dept., G.E.
100° C \		Rly., Norton Folgate, E.
1905. G.) 1912. A.M.	SKIDMORE, THOMAS EMMOTT	British Cigarette Co., 22 Museum Road, Shanghai, China.
	SKILLING, Eng. Lieut. Frank George, R.N.	H.M.S. "Mallow," c/o Postmaster General, E.C.
1902.	SKINNER, GEORGE	251 Willow Avenue, Toronto, Canada.
1905.	SLATER, ERNEST	"The Electrical Times," Sardinia
1893.	SLESSOR, ROBERT	House, Kingsway, W.C. Castlereagh House, Castlereagh St., Sydney, N.S.W.
1902.	SMAIL, CHARLES GEORGE	17 Gaynesford Road, Forest Hill, S.E.

1911.	SMEDLEY, FREDERICK THOMAS	Bradmore, Marion Road, Mill Hill, N.W.
1901.	Smeeton, John Alfred	56 Victoria Street, Westminster, S.W.
1914.	Smillie, James	Nobel's Explosives Co., Pembrey Factory, Pembrey, Burry Port, Carmarthenshire.
1912.	Smith, Alexander John	Messrs. Babcock & Wilcox, Yuraku- cho, Kojimachi-ku, Tokyo, Japan.
1904. G.) 1905. A.M.	Smith, Abthub Joel	Wainlode, 216 Bristol Rd., Edg- baston, Birmingham.
1904. G.) 1910. A.M.	SMITH, ARTHUR MACKLOW	4 and 5 Queen Anne's Chambers, Westminster, S.W.
1911.	Smith, Charles	Cambridge Electric Supply Co., Thompson's Lane, Cambridge.
1915.	Smith, Charles Alfred	Union Minière du Haut-Katanga, Elisabethville, Belgian Congo. Vià Cape Town.
1909. G. 1914. A.M.	SMITH, CHARLES ST. VINCENT	Ordnance Dept., Messrs. Vickers Ltd., Vickers House, Broadway, Westminster, S.W.
1907.	SMITH, DAVID	Loco. Dept., Glasgow and S.W. Railway, Kilmarnock.
1902. G.) 1904. A.M.	SMITH, ERNEST EDWARD	Messrs. Calthrop & Partners, Eldon Street House, Eldon St., E.C.
1913.	SMITH, FRANCIS BEDE	Chief Eng., Allahabad Milling Co., Allahabad, India.
1906. G.) 1910. A.M.)	Smith, Frederick George	Messrs. Wellman, Seaver and Head, India House, Kingsway, W.C.
	SMITH, FREDERICK HARD-	Steam & Electric Crane Works, Old Foundry, Rodley, Leeds.
1900. A.M.		
		Old Foundry, Rodley, Leeds. [Smith, Rodley. Stanningley 18.] [Babcock & Wilcox Co., Oriel House,
1899.	Smith, Frederick Hugh	Babcock & Wilcox Co., Oriel House, Farringdon St., E.C. (Dist. Loco. Supt., F. C. Central
1899. 1912.	SMITH, FREDERICK HUGH SMITH, FREDERICK SEXSTONE	Babcock & Wilcox Co., Oriel House, Farringdon St., E.C.
1899. 1912.	Smith, Frederick Hugh	Babcock & Wilcox Co., Oriel House, Farringdon St., E.C. Dist. Loco. Supt., F. C. Central Argentino, Villa Maria, Arg. Rep. Kedleston, 59 Bostall Hill, Plum- stead, S.E.
1899. 1912. 1898. G.)	SMITH, FREDERICK HUGH SMITH, FREDERICK SEXSTONE	Babcock & Wilcox Co., Oriel House, Farringdon St., E.C. Dist. Loco. Supt., F. C. Central Argentino, Villa Maria, Arg. Rep. Kedleston, 59 Bostall Hill, Plum-
1899. 1912. 1898. G. 1905. A.M.)	SMITH, FREDERICK HUGH SMITH, FREDERICK SEXSTONE SMITH, GEORGE ALFRED	Babcock & Wilcox Co., Oriel House, Farringdon St., E.C. Dist. Loco. Supt., F. C. Central Argentino, Villa Maria, Arg. Rep. Kedleston, 59 Bostall Hill, Plum- stead, S.E. Res. Chief Eng., Brompton Hos- pital Sanatorium, Frimley, Farnborough, Hants. Messrs. Mather & Platt, Park Works, Manchester.
1899. 1912. 1898. G.) 1905. A.M.) 1914.	SMITH, FREDERICK HUGH SMITH, FREDERICK SEXSTONE SMITH, GEORGE ALFRED SMITH, GEORGE WILLIAM	Babcock & Wilcox Co., Oriel House, Farringdon St., E.C. Dist. Loco. Supt., F. C. Central Argentino, Villa Maria, Arg. Rep. Kedleston, 59 Bostall Hill, Plum- stead, S.E. Res. Chief Eng., Brompton Hos- pital Sanatorium, Frimley, Farnborough, Hants. Messrs. Mather & Platt, Park Works, Manchester. Messrs. S. Smith & Sons (Nottm.), Basford Brass Wks., Notting- ham; and Springdale, Winchester
1899. 1912. 1898. G. 1905. A.M. 1914. 1904. G. 1905. A.M.	SMITH, FREDERICK HUGH SMITH, FREDERICK SEXSTONE SMITH, GEORGE ALFRED SMITH, GEORGE WILLIAM SMITH, HAROLD	Babcock & Wilcox Co., Oriel House, Farringdon St., E.C. Dist. Loco. Supt., F. C. Central Argentino, Villa Maria, Arg. Rep. Kedleston, 59 Bostall Hill, Plum- stead, S.E. Res. Chief Eng., Brompton Hos- pital Sanatorium, Frimley, Farnborough, Hants. Messrs. Mather & Platt, Park Works, Manchester. Messrs. S. Smith & Sons (Nottm.), Basford Brass Wks., Notting- ham; and Springdale, Winchester St., Sherwood, Nottingham. Messrs. Samuel Smith & Sons, Beehive Foundry, Smethwick, Birmingham.
1899. 1912. 1898. G. 1905. A.M.) 1914. 1904. G. 1905. A.M.)	SMITH, FREDERICK HUGH SMITH, FREDERICK SEXSTONE SMITH, GEORGE ALFRED SMITH, GEORGE WILLIAM SMITH, HAROLD SMITH, HERBERT WILLIAM	Babcock & Wilcox Co., Oriel House, Farringdon St., E.C. Dist. Loco. Supt., F. C. Central Argentino, Villa Maria, Arg. Rep. (Kedleston, 59 Bostall Hill, Plumstead, S.E. Res. Chief Eng., Brompton Hospital Sanatorium, Frimley, Farnborough, Hants. (Messrs. Mather & Platt, Park Works, Manchester. Messrs. S. Smith & Sons (Nottm.), Basford Brass Wks., Nottingham; and Springdale, Winchester St., Sherwood, Nottingham. (Messrs. Samuel Smith & Sons, Beehive Foundry, Smethwick, Birmingham. Genl. Manager, Messrs. Spensers, 53 South Molton Street, W.
1899. 1912. 1898. G. 1905. A.M.) 1914. 1904. G. 1905. A.M.) 1898.	SMITH, FREDERICK HUGH SMITH, FREDERICK SEXSTONE SMITH, GEORGE ALFRED SMITH, GEORGE WILLIAM SMITH, HAROLD SMITH, HERBERT WILLIAM SMITH, HORACE REGINALD	Babcock & Wilcox Co., Oriel House, Farringdon St., E.C. Dist. Loco. Supt., F. C. Central Argentino, Villa Maria, Arg. Rep. Kedleston, 59 Bostall Hill, Plum- stead, S.E. Res. Chief Eng., Brompton Hos- pital Sanatorium, Frimley, Farnborough, Hants. Messrs. Mather & Platt, Park Works, Manchester. Messrs. S. Smith & Sons (Nottm.), Basford Brass Wks., Notting- ham; and Springdale, Winchester St., Sherwood, Nottingham. Messrs. Samuel Smith & Sons, Beehive Foundry, Smethwick, Birmingham. Genl. Manager, Messrs. Spensers, 53 South Molton Street, W. 3 Ash Grove, Shotton, Chester.
1899. 1912. 1898. G. 1905. A.M.) 1914. 1904. G. 1905. A.M.) 1898. 1915. 1912. 1906. 1913.	SMITH, FREDERICK HUGH SMITH, FREDERICK SEXSTONE SMITH, GEORGE ALFRED SMITH, GEORGE WILLIAM SMITH, HAROLD SMITH, HERBERT WILLIAM SMITH, HORACE REGINALD SMITH, HUBERT ELWELL SMITH, ISAAC HOUSBY SMITH, JAMES	Babcock & Wilcox Co., Oriel House, Farringdon St., E.C. Dist. Loco. Supt., F. C. Central Argentino, Villa Maria, Arg. Rep. Kedleston, 59 Bostall Hill, Plumstead, S.E. Res. Chief Eng., Brompton Hospital Sanatorium, Frimley, Farnborough, Hants. Messrs. Mather & Platt, Park Works, Manchester. Messrs. S. Smith & Sons (Nottm.), Basford Brass Wks., Nottingham; and Springdale, Winchester St., Sherwood, Nottingham. Messrs. Samuel Smith & Sons, Beehive Foundry, Smethwick, Birmingham. Genl. Manager, Messrs. Spensers, 58 South Molton Street, W. 3 Ash Grove, Shotton, Chester. Arthur Avenue, Airdrie.
1899. 1912. 1898. G. 1905. A.M.) 1914. 1904. G. 1905. A.M.) 1898. 1915.	SMITH, FREDERICK HUGH SMITH, FREDERICK SEXSTONE SMITH, GEORGE ALFRED SMITH, GEORGE WILLIAM SMITH, HAROLD SMITH, HERBERT WILLIAM SMITH, HORACE REGINALD SMITH, HUBERT ELWELL SMITH, ISAAC HOUSBY	Babcock & Wilcox Co., Oriel House, Farringdon St., E.C. Dist. Loco. Supt., F. C. Central Argentino, Villa Maria, Arg. Rep. Kedleston, 59 Bostall Hill, Plum- stead, S.E. Res. Chief Eng., Brompton Hos- pital Sanatorium, Frimley, Farnborough, Hants. Messrs. Mather & Platt, Park Works, Manchester. Messrs. S. Smith & Sons (Nottm.), Basford Brass Wks., Notting- ham; and Springdale, Winchester St., Sherwood, Nottingham. Messrs. Samuel Smith & Sons, Beehive Foundry, Smethwick, Birmingham. Genl. Manager, Messrs. Spensers, 58 South Molton Street, W. 3 Ash Grove, Shotton, Chester. Arthur Avenue, Airdrie. 107 Lothair Road, Leicester.
1899. 1912. 1898. G. 1905. A.M.) 1914. 1904. G. 1905. A.M.) 1898. 1915. 1912. 1906. 1913.	SMITH, FREDERICK HUGH SMITH, FREDERICK SEXSTONE SMITH, GEORGE ALFRED SMITH, GEORGE WILLIAM SMITH, HAROLD SMITH, HERBERT WILLIAM SMITH, HORACE REGINALD SMITH, HUBERT ELWELL SMITH, ISAAC HOUSBY SMITH, JAMES	Babcock & Wilcox Co., Oriel House, Farringdon St., E.C. Dist. Loco. Supt., F. C. Central Argentino, Villa Maria, Arg. Rep. Kedleston, 59 Bostall Hill, Plum- stead, S.E. Res. Chief Eng., Brompton Hos- pital Sanatorium, Frimley, Farnborough, Hants. Messrs. Mather & Platt, Park Works, Manchester. Messrs. S. Smith & Sons (Nottm.), Basford Brass Wks., Notting- ham; and Springdale, Winchester St., Sherwood, Nottingham. Messrs. Samuel Smith & Sons, Beehive Foundry, Smethwick, Birmingham. Genl. Manager, Messrs. Spensers, 53 South Molton Street, W. 3 Ash Grove, Shotton, Chester. Arthur Avenue, Airdrie. 107 Lothair Road, Leicester. (Messrs. S. Pearson & Son, 47 Par- liament St., S.W.
1899. 1912. 1898. G. 1905. A.M.) 1914. 1904. G. 1905. A.M.) 1898. 1915. 1912. 1906. 1913. 1914.	SMITH, FREDERICK HUGH SMITH, FREDERICK SEXSTONE SMITH, GEORGE ALFRED SMITH, GEORGE WILLIAM SMITH, HAROLD SMITH, HERBERT WILLIAM SMITH, HORACE REGINALD SMITH, HUBERT ELWELL SMITH, ISAAC HOUSBY SMITH, JAMES SMITH, JOHN BARDELL	Babcock & Wilcox Co., Oriel House, Farringdon St., E.C. Dist. Loco. Supt., F. C. Central Argentino, Villa Maria, Arg. Rep. (Kedleston, 59 Bostall Hill, Plumstead, S.E. Res. Chief Eng., Brompton Hospital Sanatorium, Frimley, Farnborough, Hants. (Messrs. Mather & Platt, Park Works, Manchester. (Messrs. S. Smith & Sons (Nottm.), Basford Brass Wks., Nottingham; and Springdale, Winchester St., Sherwood, Nottingham. (Messrs. Samuel Smith & Sons, Beehive Foundry, Smethwick, Birmingham. (Genl. Manager, Messrs. Spensers, 53 South Molton Street, W. 3 Ash Grove, Shotton, Chester. Arthur Avenue, Airdrie. 107 Lothair Road, Leicester. (Messrs. S. Pearson & Son, 47 Par-

1916. ASS	SSOCIATE MEMBERS.	197
Date of Election.		fe fe
1891. G.) SMITH, JOSEPH PH.	HILIP GRACE (76 Chetwynd Road, Kentis	h Town,
1913. SMITH, LOUIS VICT	(Dirmingnam,	
1905. Smith, Matthew S	SIDNEY \{ 32-34 Clarence Street, N.S.W.	Sydney,
1909. SMITH, PERCY PHIL	Messrs. Braithwaite & Kirl Bridge Works, West Br (Messrs. S. Smith & Sons (1	omwich.
1898. G.) SMITH, RALPH VER	Basford Brass Wks., ham; and 2 First Avenu wood Rise, Nottingham.	Notting- ie, Sher-
1904. G.) SMITH, STANLEY C.	CARLTON \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	Works,
1902. G. SMITH, SYDNEY AB	BEOTT 66 Elystan Street, Chelsea,	s.w.
1910. Smith, Sydney Wi	/ILLIAM Engineer - in - Charge, Se Water Works, Gold Co Africa.	
1898. Smith, Thomas Jon	OHN $\begin{cases} 6 & \text{Manila Place, Akron} \\ \text{U.S.} \end{cases}$	ı, Ohio,
1903. G.) SMITH, ULRIC VIVI	The state of the s	ntry.
1906. SMITH, WARREN BO 1911. SMITH, WILLIAM G	GARNER 66 Elystan Street, Chelsea	, S.W.
1904. SMITH, WILLIAM JO	Midland Rly. Carriage Derby.	Dept.,
1911. {SMORTHWAITE, WILLIAM	GEORGE Battersea Polytechnic, S.V	
1909. SMYTH, EDWARD W	W_{ATSON} $\left\{ egin{array}{l} ext{Messrs. Taylor Bros. \& Co.,} \\ ext{Iron and Steel Works, L} \end{array} \right.$	
1901, SMYTH, JOHN McF.	FALL Askern, Barnet.	
1901. SMYTH, WILLIAM CAMPBELL	M MILLER Messrs. George Kemp, Rd., Holloway, N. [6] London. North 3063-4.	Henoveva,
1906. SMYTHE, ALAN THE		i. & Co
1905. Snow, William R.	P.O. Box 667, Johan Transvaal.	nesburg,
1906. SOKAL, SIEGMUND	55 Chancery Lane, W.C. [A. London. Holborn 4515.	
1906. SOMERVILLE, LIND		tol.
1903. G. SOMMERVILLE, ALE	2 - 2 - 1 -	Ayr.
1913. SOWARD, HENRY FREDRICK	WILLIAM Messrs. Wellman, Seaver India House, Kingsway,	& Head, W.C.
1910. Sowden, George	Henry {Lacys (Dewsbury) Ltd., Road, Dewsbury.	Aldams
1915. Sowerby, Philip	Messrs. James Keith & B Co. Ltd., 27 Farringdon E.C.	
1900. G.) SOYRES, BERNARD	Messrs. Godwin Warren Redcliff St., Bristol.	
1908. Spalding, Edmun	ND WILLIAM (c/o Messrs. Ruston, Procto Sheaf Iron Works, Lines	
1902. G.) SPEAR, CHARLES O	((2nd Lieut.), R.G.A.,	Cornwall
		0

-		(Manual Wanton Dank Dana)
1907.	Spencer, Arthur John	Trench Warfare Dept., Board of Education Offices, Whitehall, S.W.
1901.	SPENCER, ARTHUR LINCOLNE HITCHCOCK	Mgr., Messrs. W. H. Spencer & Co., Hitchin. [Engine, Hitchin, 5.]
1912.	SPENCER, PHILIP	H.A., H.S., B.B. and B. & B. Lt. Rlys., 6 & 7 Clive St., Calcutta.
1901.	SPENCER, WILLIAM EDWARD SPENCER HITCHCOCK	St. Margarets, Hitchin.
1908.	Spensley, Jacob William	Chemical Engineering Co., 29 Barton Arcade, Deansgate, Manchester.
1911.	Sperring, Bertram Ford	Messrs. W. H. Sperring and Co., Albion Iron Works, Lake Rd., Landport, Portsmouth.
1905.	Spicer, Frederick Lemuel	Middlesex Works, School Rd., Hampton Wick.
1899.	SPILLER, CLAUDE	54 Hanover Rd., Plumstead.
1912. G.) 1915. A.M.)	SPINK, REGINALD JOHN	(c/o T. W. Wood, Thornbury Villas, Bradford Road, Wake- field,
1910.	Spinks, John James	Anglo-Egyptian Oilfield Co., Ras Gemsah, c/o Messrs. Beyts & Co., Suez, Egypt.
1905.	SPINNEY, REGINALD DAWES	15 Conduit Street, Regent Street, W.
1915.	SPITTLE, DAVID GEORGE	Royal Mint, E.
1910. G.)	SPOONER, ALAN	61 Victoria Avenue, Worcester.
1914. A.M. § 1912.	SPRAGUE, JOSEPH ERNEST	31 Gelliwastad Road, Pontypridd.
1913.	SPRATT, EDWIN HARRY	Houghton - Butcher Mfg. Co., Ensign Works, Clifford Road, Walthamstow, N.E.
1904.	SPRING, ARTHUR LAWRENCE.	City Engineer's Dept., Guildhall,
1903.	SPUBB, GILBERT RICHARD	Electricity Works, Priory Avenue, Walthamstow, N.E.
1900.	SQUIRE, GEORGE FREDERICK	Little Croft, Steventon, S.O., Berks.
1915. A.M.)	STANDLEY, GEORGE ARTHUR	Messrs. Samuel Platt, King's Hill Foundry, Wednesbury.
1912.	STANFIELD, JOSEPH REGINALD MONTAGUE	Lion Chambers, 77 St. Mary Street, Cardiff.
1903. G.) 1911. A.M.	STANFORD, ERIC SPENCER	46 Valley Road, Streatham, S.W.
,	STANGER, REGINALD HARRY HURSTHOUSE	Broadway Testing Works, Broadway, Westminster, S.W. [West 117.]
1912.	STANIAR, HENRY DRUMMOND	c/o Mrs. Staniar, Newton Heath, Manchester.
1905. G.) 1913. A.M.	STANIER, JOHN HAMILTON	149 Stratford Road, Heaton, New-castle-on-Tyne.
	STANLEY, HARRY FRANK, Jun.	48 Denmark Road, Southport.
1911.	STAPLEY, ALFRED	(87 Geldeston Road, Upper Clapton, N.E.
1906.	STARRIE, JAMES EDMUND	Boro' Electrical Eng., Electricity Supply Works, Burnley.
1903. G. 1907. A.M.	STAVELEY, DOUGLAS DUNBAR	c/o Post Office, Pense, Saskat- chewan, Canada.

Date of Election.	D	a	te	of	El	ecti	on,
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	(STEDMAN, GEORGE PERCY)	
1902.	WILLIAM	62 Elmhurst Road, Reading.
1914.	STEAD, CHARLES SLATER	Messrs. Cammell, Laird & Co., Grimesthorpe Shell Works, Grimesthorpe, Sheffield.
1902. G.) 1907. A.M.	STEED, ALFRED WILLIAM	H. M. Patent Office, 25 Southampton Buildings, Chancery Lane, W.C.
1914. G. 1915. A.M.	STEED, GERALD SAMWAYS	(c/o H. E. Steed, 90 South Croxted Rd., West Dulwich, S.E.
1904.	STEEDMAN, HENRY PERCY GORMANSTON	121A Victoria Street, Westminster, S.W.
1900.	STEEL, THOMAS JOHN	San Isidro Estate, Santo Domingo, West Indies.
1908. G.) 1915. A.M.	STEPHENS, CHARLES VIVIAN	Sub-Divisional Officer, Cowtheram, Kistna Eastern, India.
1901.	STEPHENS, HILLIARD	28 Victoria Street, Westminster, S.W.
1910. G.) 1914. A.M.	STEPHENS, ROBERT RANDOLPH	(H.M.S. "Grafton," c/o Postmaster General, E.C.
1908.	STEPHENSON, HAROLD VICTOR	Car & General Insurance Corpn., 83 Pall Mall, S.W.
1911.	STERN, SYDNEY LEONARD	110 New Bond Street, W.
1899.	STEVENS, EDWIN CHARLES	19 Ingate Place, Queen's Rd., Battersea, S.W. [Hydraulics, London. Battersea 115.]
1912.	STEVENSON, WILLIAM LEWIS	Electrical Divn., P. W. D., Treasury Buildings., Hastings St., Cal- cutta.
1899. G.) 1903. A.M.	STEWART, CHARLES	P.O. Box 800, Victoria, B.C.
1910.	STEWART, CHARLES DUNCAN	(c/o Horace Startup, The Homestead, Chelsfield, Kent.
1913.	STEWART, CHARLES EDWARD	Eddison Steam Rolling Co., Dor- chester.
1908.	STEWART, CHARLES JOHN	Hazelwood, Selly Park, Birming- ham.
1907.	STIGANT, GEORGE ALEXANDER	Headquarter Offices, S.A. Rlys., Johannesburg, Transvaal.
1912.	STIRLING, ANDREW GIBSON	12 Water Street, Georgetown, Demerara, British Guiana.
1907.	ST. LEGIER, Eng. LieutCom- mander Archibald Samuel DE, R.N	Central Station Hotel, Newcastle- on-Tyne.
1909.	STOCKLEY, CHARLES RENNIE	Clearbrook, 350 Cherryhinton Rd., Cambridge.
1911.	STOCKTON, EDWARD GRIMMITT	153 High Street, Burton-on- Trent.
1913.	STOKES, HARRY POTTS	Boro' Electrical Eng. and Tram- ways Mgr., Urban Dist. Council, Bexley Heath, Kent.
1901.	STOKES, JOHN THOMAS	3 Kempshott Road, Streatham Common, S.W.
1915.	Stone, ARNOLD ALFRED PRICE DUNBAR	Public Works Dept., Sierra Leone, West Africa.
1911.	STONE, THOMAS ALFRED FOOTE	Loco. Supt's. Office, N.W. Rly., Lahore, India.
1900. G.) 1904. A.M.)	STONEBRIDGE, ARTHUR WAT-	Lindlie Chambers, 6 Hastings St., Calcutta, India.

Date of Election	•	·
1901.	STONES, WILLIAM GRIMSHAW	24 Preston New Road, Black- burn.
1906.	STOREY, CLIFFORD BARTON	Harley Rectory, Much Wenlock, S.O., Salop.
1911.	STORR, JOHN EDWIN	Wisteria, Old Park Road, Round- hay, Leeds.
1905.	STOTESBURY, RICHARD HENRY	Homeville, Stonehouse, Glos.
1899. G.) 1902. A.M.)	STOW, GEORGE	Mercantile Chbrs., High St., New- port, Mon.
1909.	Stowe, Henry John Danfrith	Messrs. Babcock & Wilcox, Clive Bldgs., Calcutta, India.
1908.	STRACHAN, ARTHUR	12 Thornhill Gardens, Sunderland.
1912.	STRACHAN, JAMES ALEXANDER PIERSON	United Engineers Ltd., Singapore, Straits Settlements.
1912.	STRATFORD, AUBREY BERTRAM	British Westinghouse Co., c/o Russian Electric Co. "Dynamo" Ltd., Bolshaya Konushennaya 17, Petrograd, Russia.
1911.	STRETCH, CHARLES KINGSLEY	Supt. of Public Works, Antigua, West Indies.
1914.	STRINGER, HERBERT ALFRED	Astor House, 11 Greenhill Crescent, Harrow.
1904.	STRINGER, PERCY	Messrs. Tasker & Sons, Andover.
1904. G.)	STRINGER, ROBERT	Vacuum Oil Co., William Street,
1907. A.M. (6.)		Melbourne, Victoria. (Norfolk Works, St. Paul's, Bristol.
1900. A.M.	STRONG, ALFRED GEORGE	[Omega, Bristol. 289.]
1910.	STUART, EDWARD JOHN	120 Westminster Palace Gardens, Victoria St., S.W.
1911.	STUBBS, ARTHUR	299 Gillott Road, Edgbaston, Birmingham.
1901.	STUBBS, HERBERT	Manual Instruction Dept., Higher Grade School, Wolverhampton.
1914.	STURCH, HENRY ARTHUR	Hazeldene, Kenilworth Rd., Berks- well, Coventry.
1909.	STURGEON, HENRY CURRAN	15 Ayresome Terrace, Roundhay, Leeds.
1907.	STURBOCK, FREDERICK CLAUDE	P. O. Box 2863, Johannesburg, Transvaal.
1904.	STURBOCK, JAMES FLEMING	Messrs. Robertson and Orchar, Wallace Foundry, Dundee.
1894. G.) 1897. A.M.)	SUFFIELD, FRANK WILSON	57 Colmore Row, Birmingham. [Steelwork, Birmingham. Central 5747.]
1912.	SUGG, HARRY GUY	44 Cloncurry Street, Bishops Park, S.W.
1904. G.) 1912. A.M.)	SUGGATE, CLAUDE FRANCIS DENNY	(Temp. Lieut.), OiC., No. 2 Trav- elling Workshop, A.O.D., 3rd Corps, 1st Army, D. 8, F.P.O., Brit. Exped. Force,
1901.	SUMMERFIELD, RICHARD DUN-	8 Cotton Lane, Moseley, Birming- ham.
1909.	SUMNER, ARTHUR WILLIAM	Dorincourt, Stifford, Grays.
1906.	SUMNER, GEORGE GEOFFRY	7 Ward Road, Dundee.
1902.	SUMNER, LEONARD	Broughton Copper Co., Manchester. [Copper Co., Manchester. 638.]
1903.	SUNDERLAND, WALLACE	West Royd, Framville Park, Roundhay, Leeds.

Date	of	Election.
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1912.	SUTCLIFFE, ARNOLD RILEY	Campbell Gas Engine Co., Kingston, Halifax.
1900.	SUTCLIFFE, EDGAR ROUSE	Messrs. Sutcliffe, Speakman & Co., Leigh, Lancs.
1904.	SUTHERLAND, DONALD	Messrs. Hawthorns & Co. Ltd., Leith Engine Works, Leith,
		Edinburgh. (Manager, Alumina Factory, Larne
1896.	SUTHERLAND, JAMES	Harbour, Co. Antrim, Ireland. [Aluminium, Larne Harbour.]
1908.	SUTHERLAND, KENNETH WAL-	c/o Dr. Sutherland, Low House, Cleckheaton.
1910. 1915.	A.M. SUTTILL, ALBERT GARBUTT	2813 W. Clementine St., Philadelphia, Pa., U.S.
1894.	SUTTON, HUGH REGINALD	Messrs. Mackies, Berks Iron Works, Caversham Rd., Reading. [Mackies, Reading. 86.]
1908.	Swain, Edward Henry	Eng. and Manager, Gas Works, Treforest, Pontypridd.
1912.	SWAIN, HERBERT JOHN	Mech. Eng. Dept., Sydney Tech. Coll., Sydney, N.S.W.
1902.	Swan, Edward Montgomery	Gordon Chbrs., 31 Queen St., Cardiff.
1905.	SWAN, WILLIAM ROBERT	Suptg. Naval Civil Eng., Navy Office, Melbourne, Victoria.
1903. 1913.	A.M. SWARBRICK, FREDERICK	Eng. & Mgr., Minehead Electric Supply Co., Friday St., Minehead.
1914.	SWIFT, HERBERT CYRIL	c/o E. C. Amos, 22 Martin's Lane,
1909.	SWIFT, JAMES THOMAS BOLTON	Cannon Street, E.C. Micklem Hall, Oxford.
1904.	SWINCHATT, PERCIVAL HALL	Govt. Technical School, Lucknow, India.
1914.	SWINDELLS, HARBY CAWLEY	Head Quarter Offices, South African Railways, Johannesburg, Transvaal.
1913.	SWINSON, WILFRED CHARLES	Campbell Gas Engine Co., 73A Queen Victoria St., E.C.
1905.	SYRES, FRED	Technical School, Lincoln.
1906.	Symonds, Percival Herbert	{209 Rustlings Road, Sheffield. [Broomhill 587.]
1905. 1912.	G.) Symons, Angus Bryant	Messrs. Bryant Symons & Co., 320 St. John Street, E.C. [City 3673.]
1909.	SZYMAN, KONRADOWSKI	Countess Tolstoy House, Flat 507, Troitzkaya 15, Petrograd, Russia.

1887. 1895.	A.M.}		1 Glenluce Road, Blackheath, S.E.
1912.		Tait, Reginald Arnan	(33 Elm Bank Mansions, Barnes, S.W.
1900. 1908.	A.M.)	Taite, Geoffrey Charles	Messrs. Taite & Carlton, Sanctuary House, 33 Tothill St., West- minster, S.W. [Victoria 6925.]

1902. G. 1905. A.M.	TALBOT, ERNEST	(Mech. SergtMajor, A.S.C.), Star Life Bldgs., 30 Cross St., Man- chester.
1914.	TARLTON, EDWARD SMEDLEY	Kumerdubi, Barakar P.O., E. I. Rly., Bengal.
1912.	TARRANT, ARTHUR NORMAN	Messrs. Duckham & Cloudsley, Palace Chbrs., Bridge St., West- minster, S.W.
1899.	TAVERNER, HERBERT LACY	West India House, 96-98 Leaden- hall St., E.C.
1902.	Taylor, Arthur	71 Victoria Avenue, Southend-on- Sea. (Messrs. Mangold Brothers, 6, 8 and
1915.	TAYLOR, ARTHUR	10 Zastron St. East, Bloemfon- tein, Orange River Colony.
1897.	Taylor, Arthur Joseph	22 Waldemar Rd., Wimbledon Park, S.W.
1909.	TAYLOR, ARTHUR WALTER	Waltons Bldgs., 5 New Brown St., Manchester.
1905.	TAYLOR, CHARLES ALBERT	21 Sydney St., Chelsea, S.W.
1911.	TAYLOR, CLEMENT BRAMLEY	Diamond Jubilee Estate, Jasin, Malacca, Straits Settlements.
1902.	TAYLOR, DUDLEY FOSTER	111 Kingsbury Rd., Erdington, Birmingham.
1899. G.)	TAYLOR, FRANK COSTON	11 Egyptian House, 170 Piccadilly, W.
1902. A.M. 5 1907.	TAYLOR, FREDERIC HENRY	190ld Queen St., Westminster, S.W.
1907.	TAYLOR, FREDERICK	11 Hilden St., Haulgh, Bolton.
1913.	TAYLOR, GEORGE HENRY	9-11 Fenchurch Avenue, E.C.
1901. G.) 1905. A.M.	TAYLOR, GEORGE STEVENSON	H.M. Inspector of Factories, Home Office, S.W.
1913.	TAYLOR, HERBERT GEORGE	King's College, Strand, W.C. (Messrs. Taylor and Hutchinson, 610
1909.	TAYLOR, LIONEL STANLEY	Royal Liver Building, Water St., Liverpool.
1908.	TAYLOR, SAMUEL LARK	Town Quay, Falmouth. (Indented Bar & Concrete Engineer-
1909.	TAYLOR, WALTER REGINALD	ling Co., 43 Jackson Avenue, Gledhow, Leeds.
1905.	TAYLOR, WILFRID	13 Lowgate, Hull. [Motors, Hull. 548.]
1910. G.)	TAYLOR, WILLIAM ARTHUR	Members Mansions, 38 Victoria
1912. A.M.	TREVOR	St., Westminster, S.W.
1913.	TAYLOR, WILLIAM HOWARD	Manager, Messrs. Ronald Trist & Co., Royal London Buildings, Deansgate, Manchester.
1910.	TELFORD, LANCELOT LINCOLN	22 Newton Road, Urmston, Man- chester.
1910.	TEMPLE, FREDERICK CHARLES	District Engineer, Mozufferpore, T.S. Rly., India.
1910. G.) 1914. A.M.)	TEMPLE, SAMUEL HERBERT	(34 Daisy Road, Edgbaston, Birmingham.
1909.	TENCH, JOHN ANTHONY	Madras and S.M. Railway Co.,
1904.	TENNANT, ALFRED MARMA-	Arkonam, S. India. Alexandria Water Works, Alex-
1902.	TENNANT, JAMES	andria, Egypt. 10 Aspinall Street, Prescot.
1908.	TESTER, ARTHUR LUSCOMBE	Messrs. John Thompson & Co.,
20001	The House Hosconds	63 Queen Victoria St., E.C.

1908	TETLEY, THOMAS REGINALD	Exchange Bldgs., 6 St. Mary's
	HERBERT	Gate, Manchester. St. Piran's Avenue, Copnor,
1914,		Portsmouth.
1908. 1913.	G. A.M. THIEME, HERMANN CARL ANTON	(14 Str. Costache Negri, Bucharest, Roumania.
1896. 1901.	G. THOM, FRANK	Canal Foundry, Blackburn.
		(London Central Markets Cold
1904.	Тном, Јони	Storage Co., 51 Charterhouse St., E.C.
1912.	Тном, Јони	Leighford, Southbury Road, Enfield.
1908.	THOMAS, ADOLPHUS HENRY	70 Melody Road, Wandsworth, S.W.
1914.	THOMAS, ARTHUR DALES	Chief Mech. Eng., Messrs. Price's Patent Candle Co., Bromborough
2021,	THOMAS, ARTHUR DALES	Pool, Birkenhead.
1906.	THOMAS, FRANK	Chief Eng., Buckingham Mill, Madras.
1905.	G. THOMAS, FRANK GEORGE	Principal, Technical College, Grey-
1912.	THOMAS, GEORGE ALLAN	mouth, Westland, New Zealand. Croindene, Victoria Rd., Worthing.
1907.	THOMAS, JOHN VICK	14 Alexandra Rd., Gloucester.
1913.	Thomlinson, Robert	Supt. Eng., L.C.C. Pumping Station, Abbey Mills, Stratford, E.
1912.	THOMPSON, ALBERT EDWARD	3 Westbourne Square, Paddington, W.
1901. 1902.	A.M. THOMPSON, EDGAR WAKELIN	Messrs. Thompson & Gidley, 14 Hummum St., Bombay.
1901.	THOMPSON, FREDERICK WIL-	58 Foulser Rd., Upper Tooting, S.W.
1907.	THOMPSON, HABINGTON GEORGE CAMPBELL ONSLOW	20 Budge Row, Cannon St., E.C. [Severnaco, London London Wall 5239.]
1913.	THOMPSON, HAROLD STANLEY VICTOR	c/o William H. Maw, LL.D., 18 Addison Rd., Kensington, W.
1912.	THOMPSON, HARRY JAMES	10/1 Rowlands Rd., Ballygunge, Calcutta.
1897.	THOMPSON, HERBERT	2 Melrose Tce., Breamore Rd., Seven Kings, Ilford.
1912.	THOMPSON, JACOB JEWETT	District Engineer, Nanking-Hunan
1902.	G.) THOMPSON JOHN APCHIBALD	Railway, Nanking, China. Bryher, 52 Kingston Road, Ted-
1906.	21.22.)	dington. Messrs, Babcock and Wilcox, Tokyo,
1913.	THOMPSON, JOSEPH	Japan.
1915.	THOMPSON, ROBERT FRANCIS STAFFORD	Locomotive Dept., Furness Rly., Barrow-in-Furness.
1912.	THOMPSON, ST. JOHN MOBIARTY	British Oxygen Co., Elverton St., Westminster, S.W.
1908. 1915.	A.M. THOMS, ALEXANDER KEAY	Westminster, S.W. Alliance Jute Mills, Shamnagar, E. B. S. Railway, Bengal.
1913.	THOMSEN, THOMAS CHRISTIAN	Technical Dept., Vacuum Oil Co., Caxton House, Westminster,
		S.W.
1914.	THOMSON, ALEXANDER	Messrs. Cassell & Co., Printing Dept., La Belle Sauvage, Ludgate
		Hill, É.C.

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1899. G.) 1903. A.M.	THOMSON, ALFRED MORRIS	T.C.M. Manufacturing Co., Hunterdon and First Streets, Harrison, N.J., U.S.
1901.	THOMSON, DAVID LOCKERBIE	Krajewski-Pesant Corpn., 52-56 Beard St., Brooklyn, New York, U.S.
1894.	Thomson, Henry	Messrs. J. Frizzoni & Co., Cawn- pore, India.
1901.	THOMSON, JAMES CUNNINGHAM	New Building & Construction Co., Shanghai, China.
1893.	THOMSON, JAMES WATSON	Robert Gordon's College, Aberdeen.
1913.	THOMSON, WILLIAM GEORGE HOPE	P.O. Box 1141, Vancouver, British Columbia.
1912.	THORNE, DOUGLAS STUART	7 Dysart Buildings, Nantwich.
1914.	THORNE, GUY STAFFORD	Engineer-in-Chief, Kwang Tung Electric Supply Co., Canton, China.
1904.	THORNE, HENRY HUBERT	The Power Plant Co., West Drayton, Middlesex. [c/o Roc, West Drayton.]
1911.	THORNE, HENRY THOMAS	7 St. Peter's Gardens, Muswell Hill, N.
1904. G. 1910. A.M.	THORNE, LEONARD	Room 39A, Metropolitan Water Board, Savoy Court, Strand, W.C.
1910.	THORNELOE, ARTHUR JOSEPH	Gen'l. Manager, National Munitions Factory, Bradford.
1907.	THORNTON, HARRY HALL	4569A McMillan Avenue, St. Louis, Mo., U.S.
1899.	THORNYCROFT, JOHN EDWARD	Caxton House, Westminster, S.W.
	THORPE, CHARLES WILLIAM THORPE, HAROLD THOMAS	District Asylum, Mullingar. (P.O. Box 4563, Johannesburg,
1912. A.M.	EMMERSON	Transvaal.
1914.	THORPE, RICHARD	The Manse, Leeds Road, Harrogate.
1894. G.) 1901. A.M.)	THORPE, WILFRED BERTRAM	Charing Cross and Strand Elec- tricity Supply Corpn., 60 St. Martin's Lane, W.C.
1907.	THORPE, WILLIAM ALFRED	North Western Rly., Lahore,
	CHARLES	India. Sturtevant Engineering Co., 147
1907.	ABD	Queen Victoria St., E.C.
1912.	TIBBENHAM, LEWIS JOHN	Managing Director, Suffolk Iron Foundry Co., Stowmarket.
1911.	TICEHURST, JOHN WILLIAM	Langton House, Battle, Sussex.
1906.	Timmins, Ebenezer	41 Park Avenue, Sidney Parade, Dublin.
1911.	Tipnis, Ganesh Khanderao	Khalsa Spinning and Weaving Mills, Sulzimaudi, Delhi, India.
1895. G.) 1902. A.M.)	TITREN, GERALD ERNEST DE KEYSER	South African Rlys., Port Elizabeth, Cape Colony.
1911.	Tod, John Dun	St. Leonards, Lasswade, Mid-
1914.	TODD, JOHN BARBER	lothian. The University, Edinburgh.
1913.	Tomlinson, John Arthur	Assist. Loco. Supt., E.B.S. Rly., Saidpur, India.
1905.	Toms, Robert	Royal Albert Memorial College, Exeter.

Date	~f	TO I	41	

	Date of Election	•	
	1909.	Tooms, John Grice	Gas Works, Christiania, Norway.
	1915.	(TOPHAM, EDWIN FREDERICK	Chief Engr., Hacienda Santa Bar-
	1010.	BENT	bara, Cerro Azul, Peru.
	1908.	TORPY, REGINALD NORMAN	Corporation Electricity Works, Tunbridge Wells.
			Messrs. Joseph Baker & Sons,
	1900.	TOWNSEND, WILLIAM	Willesden Junction, N.W.
	1910.	Tozer, Charles William	66 Victoria St., Westminster, S.W.
	1909.		[Victoria 3263.]
	1899. G.)	TRACY, HAROLD WINGFIELD	Post Office, Kinross, Transvaal. (43 Woodend Lane, Erdington, Bir-
	1906. A.M.	TRAFFORD, JOSEPH PETER	mingham.
	1911.	TRANTER, WILLIAM JAMES	Tibbington Works, Princes End,
		The state of the s	Tipton. (Dept. of Marine and Fisheries,
	1914.	TREANOR, WALTER CHARLES	Ottawa, Canada.
Œ	1899. G.)	Engayya Wyyy Hanara	57 Campden Hill Rd., Kensington,
Cu.	1903. A.M.	TREGONING, WYNN HAROLD	(W.
	1913.	TREMEARNE, WILLIAM CREW,	105 Blackheath Park, S.E.
		(B.A)	(Engine Drawing Office, Messrs.
	1914.	TREMELLING, HARRY THOMAS	J. I. Thornycroft & Co., Wool-
	1000 00		ston Works, Southampton.
	1903. G.) 1904. A.M.)		Roughton, Wrottesley Rd., Wolver-
	1911. G.)	Power	\ \text{hampton.} \(\text{East View, Chipping Sodbury,} \)
	1915. A.M.	TRENFIELD, ERNEST JOHN	Bristol.
	1903. G.)	TRESHAM, LANCELOT DAVID	Rushton, Village Rd., Bush Hill
	1906. A.M.	,,	Park, Enfield. General Manager, North Mid-
	1909.	TREWBY, LAWRIE	dlesex Gas Co., The Broadway,
			Finchley, N.
	1903. G.)		Messrs. Topham Jones & Railton,
	1908. A.M.	ARTHUR	Singapore, Straits Settlements. (Richmond (Surrey) Electric
	1908.	TRIMNELL, LEONARD CHARLES	Light and Power Co., Rich-
		BOUGHEY	mond, Surrey.
	1010	(TRIPP, WILLIAM HOWARD	Sir W. G. Armstrong, Whitworth
	1912.	SANDBERG	& Co., Armstrong Naval Yard, Walker-on-Tyne, North'd.
			(Genl. Manager, Messrs. Wm. Foster
	1905.	TRITTON, WILLIAM ASHBEE	& Co., Wellington Foundry, Firth
	1904. G.)		Rd., Lincoln.
	1904. G.) 1912. A.M.	TROUGHTON, HENRY JAMES	Mech. Eng., London United Tram- ways, 74 High Road, Chiswick, W.
	,	Mann: Corner	(17 Tennoji - Machi, Shitaya - ku,
	1911.	TSUDA, GOICHI	Tokyo Japan
	1914.	TUCKER, ALFRED EDGAR	Cedar Cottage, Wanstead Green,
	4040	(TUCKETT, WILLIAM FOTHER-	Wanstead, N.E. Messrs. Gillanders Arbuthnot &
	1912.	GILL	Co., Calcutta.
	1902. G.)	TULIP, WILFRED	(Hongkong & Whampoa Dock Co.,
	1906. A.M.		Hong Kong, China.
	1905.	TUNNICLIFFE, WALTER GEORGE	39 Mandrake Road, Upper Tooting, S.W.
	1913.	THEREN GERARD TER	Chief Officer, Rangoon Municipal
	1010.	TUPPEN, GERARD LEE	Fire Brigade, Rangoon, Burma.
	1909.	TURNBULL, JAMES ARMSTRONG	Talisman Consolidated, Karanga- hake, New Zealand.
			(Mano, Mon Montana,

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1901. G.) 1905. A.M.)	TURNER, ERNEST WILLIAM	Surveyor's Department, Council House, Birmingham.
1905.	TURNER, EUSTACE HOOPER	Courts-Turner Engineering Co., 184 Deansgate, Manchester. [Chimneys, Manchester. 5392.]
1912.	TURNER, GEORGE BANKART	Royal Aircraft Factory, South Farnborough, Hants.
1 913.	TURNER, HAROLD LUPTON	54 Temple Row, Birmingham.
1903. G.)	Manager Tea Dina Version	(Dalveen, Russell Gardens, Golders
1911. A.M.	TURNER, JOE DARE KNOBBS	Green Rd., N.W.
1903.	TURNER, JOHN ALEXANDER	184 New Street, Horsham.
1014		(Works Manager, Messrs. Dean and
1914.	TURNER, JOSEPH	Lowe, Stoke-on-Trent.
1911.	TURNER, WILLIAM STANLEY	8 Brambledown, Crouch Hill, N.
1901. G.)		(Carleyon, Bay St., Greenwich,
1904. A.M.	TURNER, WILLIAM WALLACE	N.S.W.
1910.	Turney, Lieut. Fred, A.O.D.	(c/o John Turney, 193 Chapeltown Road, Leeds.
1913.	(TWELVETREES, Lieut. RICHARD) WALTER RICKARD, A.S.C	3 Woodite Villas, Mitcham.
1913. G.)	· · · · · · · · · · · · · · · · · · ·	
1914. A.M.	TYLER, OLIVER WALTER	Wormley, Broxbourne, Herts.

1906.	Underwood, Albert Leopold	3 and 5 Queen Street, Cheapside, E.C.
1901.	UNWIN, MAURICE EVERETT	Messrs. John Brown & Co., Sheffield.
1913.	URQUHART, GEORGE	26 Hazlewell Road, Putney Hill, S.W.
1914.	URQUHART, GEORGE WALKER	Loco. Dept. Offices, G.N. of Scotland Rly., Inverurie.
1903.	USHERWOOD, THOMAS SCRIVEN	Christ's Hospital, West Horsham.
1 912.	UTLEY, REGINALD	Cransley, 23 West Bank Avenue, Ansdell, Lytham.
1908.	UTTING, SAMUEL	65 Warwick Rd., Kensington, S.W.
1905.	UTTLEY, EDWIN ABRAHAM	Govt. Electrical Eng., Bulawayo, Rhodesia, S. Africa.

1906.	VALLAT, HENRY HOWARD	Cia. de Alumbrado, Casilla 354, Iquique, Chile.
1915.	VALON, JEAN PAUL MELVILLE	Municipal Gas Dept., Singapore, Straits Settlements.
1910.		The Gas Works, Stafford.
1913.	VANSTON, JAMES MAURICE	Chief Engineer, Queen's County Asylum, Maryborough, Ireland.

1907.	Vaughan, Charles Bound	§88 Harborough Road, Streatham,
1900.	VENNING, Eng. Lieut. Albert John, R.N	St. Feock, Devoran, R.S.O., Corn-wall.
1912.	{Ventress, Ernest William Stannard	Messrs. Lever Bros., Kabushiki Kaisha, P.O. Box Sannomiya 174, Kobe, Japan.
1913.		Car Works Dept., Belfast City Tramways, Belfast.
1892. 1898.	G. VEZEY, ALBERT EDWARD	
1909.	VIAL, HAROLD FRANK	Croslands Park, Furness Abbey, Barrow-in-Furness.
1905.	Vickers, Ernest John	14 Duchess Rd., Edgbaston, Birmingham.
1912.	VINE, Eng. Lieut. HORACE, R.N.	Glendale, Abbotsbury Road, Wey- mouth.
1900. 1906.	G.) Vramer Hone on	10 Westfield Road, Beckenham.
1901.	VISICK, CHARLES	Works Manager, Basset Works, Devoran, Cornwall.
1910.	VIZETELLY, VICTOR RENÉ	Rosedene, 27 Mount Road, New Malden, Surrey.

1911.	WADDINGTON, ARTHUR	83 Arran Road, Catford, S.E.
1897. G.) 1902. A.M.)	WADE, FRANCIS RICHARD	95 Colmore Row, Birmingham.
1911.	WADE, HOBACE	117A Ivy Road, Cricklewood, N.W.
1900. G.)	WADHAM, ROBERT	Messrs. Calvert & Co., Gothenburg, Sweden.
1904. A.M.	(WAINWRIGHT, WALTER HEP-	(Asst. Inspector of Munitions Areas.
1906.	BURN	Quebec St. Chambers, Leeds.
1908.	WAITE, WILLIAM VINCENT	176 Lea Road, Gainsborough.
1913.	WALCROFT, THOMAS CLA-	"The Statesman," Chowringhee Road, Calcutta.
1913.	WALE, NORMAN WALTER	jc/o Venesta Ltd., Kamarhati, 24
		Perganas, Bengal.
1901.	Walkem, George Alexander	Managing Director, Vancouver Machinery Depôt, Vancouver,
4004		B.C. Municipal Technical Institute,
1901.	WALKER, ALFRED	Romford Rd., West Ham, E.
1905, G.) 1913, A.M.	WALKER, CHARLES ALBERT	53 Whittington Road, Bowes Park, N.
1906. G.)		
1911. A.M.	WALKER, EDWARD GEORGE	337 Beverley Road, Hull.
1912.	WALKER, FRANCIS HENRY	The Poplars, Headingley, Leeds.
1910.	WALKER, FRANCIS VANE	(c/o Japanese Explosives Co., 38-39 Parliament St., Westminster, S.W.

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1908.	WALKER, FRANK EGERTON	Messrs. Richard Garrett & Sons, Leiston, S.O., Suffolk.
1910.	WALKER, HERBERT CARR	Managing Director, Yorkshire Engineering Supplies Ltd., Ingham St. Works, Hunslet Rd., Leeds.
1912.	Walker, James Ernest	93 Clive St., Calcutta, India. (Messrs. Hopkins and Gardom,
1908.	WALKER, JOHN BRITON	250 Bartolomé Mitre, Buenos Aires, Arg. Rep.
1910.	Walker, Leslie Charles	Waterworks Manager, and Engineer, Old College Buildings, St. Laur- ence's Churchyard, Reading.
1910.	Walker, Robert	P.W.D., Govt. Bldgs., Auckland, New Zealand.
1898. G.) 1901. A.M.)	Walker, Robert Hugh	c/o LieutCol. J. B. Walker, Eythorne, Wokingham.
1908.	WALKER, THOMAS ARCHIBALD	The Manor House, Symondsbury, Bridport.
1911.	Walker, William Alexander	Messrs. Sprostons, Georgetown, Demerara, British Guiana.
1910.	WALKER, WILLIAM PERCY	Res. Eng. and Mgr., Water Works, Mythe Road, Tewkesbury.
1899.	WALKER, WILLIAM PETO	Vacuum Brake Co., 32 Queen Victoria St., E.C.
1905.	Wall, Charles	23 Friern Rd., East Dulwich, S.E. (National Boiler and General Insur-
1911.	Wallace, James Neilson	ance Co., St. Mary's Parsonage, Manchester.
1910.	WALLACE, WILLIAM	Manager, British Hele-Shaw Clutch Co., Suthers St., Oldham. (St. James' and Pall Mall Electric
1913.	WALLER, ARTHUR	Light Co., Carnaby St., Golden Sq., W.
1914.	Wallis, Captain Henry Jocelyn Kennedy, I.A	Officiating Master, H.M. Mint, Calcutta.
1912.	Wallis, Thomas Alexander	5 Essex Street, Levenshulme, Manchester.
1914.	Wallis, Thomas Seabrooke	Stalheim, Plaistow Lane, Brom- ley, Kent.
1900. G.) 1903. A.M.	Walton, Denys	Patent Office, 25 Southampton Bldgs., W.C.
1911.	Walton, Tom Parker	41 Hainault Road, Leytonstone, N.E.
1907.	WALTON, WILLIAM RAYNES	Bindloss Chambers, 4 Chapel Walks, Manchester.
1904. G.) 1905. A.M.)	Warbrook, Frederick George	Messrs. Massey & Co., Napier Works, Madras.
1913.	WARD, ARTHUR MAURICE	c/o Chief Eng., H. H. the Nizam's Guaranteed State Rlys., Secun- derabad, Deccan, India.
1904.	WARD, AUGUSTINE MELLIAR	San Rafael Paper Co., Calle San Agustin 15, Mexico City, Mexico.
1915.	WARD, EDGAR PAUL	Messrs. James Keith & Blackman Co., 36 Royal Exchange, Leeds.
1912.	WARD, FRANK ELDRIDGE	Fairfax House, Westcombe Park, Blackheath, S.E.
1897.	WARD, JOHN CECIL	Messrs. Edgar Allen & Co., Imperial Steel Works, Sheffield.
1914.	WARD, MARK, Jun	25 Grosvenor Place, North Shields.

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1910. G.) 1913. A.M.)	WARD, WILLIAM ARTHUR	Messrs. Thomas W. Ward, Albion Works, Sheffield.
1911.	(WARDEN, KENNETH WIL-	Messrs. Morris, Warden and Co., 68
1898. G.)	LOUGHBY	Gordon Street, Glasgow. Messrs. John Player & Sons, Castle
1898. G.) 1901. A.M.)		Tobacco Factory, Nottingham.
1909.	WARNER, FRANCIS GEORGE	Permanent Way Office, Miller St., Birmingham.
1900. G.) 1903. A.M.)	WARNER, JAMES SUTHERLAND	Warner Engineering Co., 308 Mansion House Chbrs., E.C.
1910.	WARREN, EDWARD CHAMBERS	Manganese Bronze & Brass Co., St. George's Wharf, Deptford, S.E.
1892. G.		Gardiner, Salisbury, Rhodesia, S.
1898. A.M.		Africa.
1901. G. 1911. A.M.		20 Heathville Road, Crouch Hill, N.
1902.	WARWICK, WALTER	Messrs. N. Wadia & Sons, Cumballa Hill, Bombay.
1895.	WASDELL, ABEL	Water Works, Bhelupura, Benares, India.
1 911.	Watkins, Arthur Glyn	Gloucester National Filling Factory, Gloucester.
1909.	WATKINS, JOHN HENRY	Messrs. Royce, Trafford Park, Man- chester.
1910.	WATKINS, WILLIAM GATH	158 Pear Tree Street, Derby.
1912.	WATKINS, WILLIAM GORDON	Messrs. Yonei Shoton, 12 Nichome Ginza, Tokyo, Japan.
1904.	Watson, Allan Griffiths	Assist. Supt., S. African Rlys., Kimberley, Cape Colony.
1907.	WATSON, EDWARD FAIRLIE	Messrs. Arthur Butler & Co., Mozufferpore, India.
1908.	(WATSON, FRANCIS RENTON	Merchant Venturers' Technical
1908.	BARRY	(College, Bristol.
1914.	Watson, George	Toolmakers and Light Machinery Ltd., Lower Oxgate Lane, Crickle-
2022	Transcript Canada	wood, N.W.
1912.	Watson, HENRY ARCHIBALD	92 Kirkcaldy Road, Pollokshields, Glasgow.
1902.	WATSON, HERBERT EDWARD	"The Statesman," 3 Chowringhee, Calcutta.
1909.	Watson, James	Loco. Dept., Caledonian Ry., St. Rollox, Glasgow.
1902.	WATSON, JOHN CRAIG	Canadian Mining & Finance Co., Timmins, Ont., Canada.
1910.	Watson, Owen William Joseph	Camden Place, Wolverhampton Road, Stafford.
	(*************************************	(Chief Eng., Christchurch Meat Co.,
1911.	WATSON, ROBERT SCOTT	Islington, Christchurch, New Zealand.
1914.	Watt, George Andrew	Klang, Selangor, Federated Malay States.
1906.	Watters, Thomas Charles	P.O. Waikino, Upper Thames, Auckland, New Zealand.
1906.	WATTS, HERBERT WILLIE	6th Battn., East Surrey Regt., Fyzabad, India.
1908,	Watts, Richard Edward	Messrs. Blackstone & Co., Rutland Engineering Works, Stamford.
1906.	WAYNE-MORGAN, JOHN	6 Church Road, Whitchurch, Cardiff.

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1907.	WAYTE, HARRY	Engin-Chief, Grand Canal Co., James's Street Harbour, Dublin.
1902.	Wayte, James Benjamin	Messrs. Wayte Bros., Portobello, Dublin.
1911.	Wears, James Hooker	British Thomson - Houston Co., Rugby.
1910.	WEAVER, WILLIAM GEORGE	Eng. Dept., South African College, Cape Town, Cape Colony.
1907.	Webb, Arthur James	Messrs. Johnson, Matthey & Co., 78 Hatton Garden, E.C.
1914.	WEBB, GEORGE WILLIAM CUTLER	Works Manager, Messrs. Vickers Ltd., Dartford.
1911. G 1913. A.M	WERR HAROTA	20 King Edward's Gardens, Acton Hill, W.
1912.	Webb, Herbert Arthur	18 Sheredan Road, Garden Village, Higham's Park, Chingford.
1914.	Webb, Walter John	Baldwin Locomotive Works, 34 Victoria St., Westminster, S.W.
1910.	WEBB-BOWEN, HILDRED ED-	(Captain), Old Military Prison, Dover,
1902. G. 1904. A.M.	WEREMER ADMITTE GIV	143-149 University Ave., Toronto, Canada.
1910.	Webster, John	College of Engineering, Madras, India.
1911.	WEBSTER, SYDNEY	Sofaer's Bldgs., Rangoon, Burma.
1906.	WEDEKIND, JULIUS EDWARD	35 Beckenham Road, Beckenham.
1913.	WEDLAKE, JAMES GARFIELD	Merstone, Irnham Rd., Minehead, Somerset.
1913.	Weekes, Barnett Norman	Water Engineer's Dept., Municipal Offices, Liverpool.
1912.	Weiss, Maurice	Great Eastern Rly. Locomotive Works, Stratford, E.
1911.	Welburn, Frank	S. Mahratta Spinning and Weaving Co., Hubli, India.
1915.	WELCH, JOHN FRANCIS WARLOW	Messrs. Edgar Allen & Co., Imperial Steel Works, Tinsley, Sheffield.
1913.	WELHAM-CLARKE, PHILIP	Messrs. Davidson & Co., 54 Corporation St., Manchester.
1904.	Wells, Edward Nelson	West Smithfield, E.C. 13-16
1903.	WELLS, JOSEPH MALCOLM	27 Genesta Road, Plumstead, S.E.
1915.	Wells, William	Ferro Carril de Antofagasta á Bolivia, Antofagasta, Chile.
1907.	Wellsman, Charles	11 Argyle St., Liverpool. [Royal 3052.]
1911.	Welsh, Anthony Reginald	Messrs. Bell Brothers Ltd., Middles- brough.
1910.	WERTHEIM, MAX	Oudtshoorn, Cape Colony.
1912.	West, Frederick Buick	P.O. Box 699, Johannesburg, Transvaal.
1902.	West, William Pownoll	Mina Demetrio, Alcaracejos, Pro- vincia de Cordoba, Spain.
1902. G. 1905. A.M.	WESTACOTT, PERCY	39 Victoria Street, Westminster, S.W.
1900. G.		c/o A. L. Webb, Queen Anne's
1902. A.M., 1911.	Washing Thousand	Chbrs., Westminster, S.W. 36 St. Mark's Road, Maidenhead.
1912.	WESTMACOTT, PHILIP GUISE	Messrs. Ralli Bros., Calcutta, India
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1899.	Weston, George Cambridge	Kensington and Knightsbridge Electric Lighting Co., Albert Vaults, Prince Consort Rd., S. Kensington, S.W.
1906.	WESTON, ROBERT OGILVY	Glen Ogilvy, P.O. Box 29, Gwelo, Rhodesia, S. Africa.
1913.	Westwood, Ernest Herbert Wyndham	Manager, Union Electric Co., 33 William St., Melbourne, Victoria.
1902.	WETHERELL, RAYMOND ED-	Hautley, Bath Road, Slough.
1908.	A.M. WHALLEY, HERMES DE	231 Croxted Road, Dulwich, S.E.
1912.	WHEATLEY, LEONARD JAMES THEODOR	Mech. Engineering Drawing Office 1, Royal Arsenal, Woolwich.
1910. 1914.	A.M. WHELDON, EMBYS JOHN	(c/o Messrs. Strick, Scott and Co., Mohammerah, Persian Gulf (via Bombay).
1912. 1916.	A.M. WHIPP, FREDERICK GEORGE	Blackman Export Co., Blackman House, 374 Euston Road, N.W.
1912.	WHITAKER, AUGUST	Managing Director, Messrs. C. Whitaker & Co. (Bradford), Canal Engineering Works, Bradford.
1909.	WHITAKER, GILBERT	3 Cardigan Road, Leeds.
1908.	WHITAKER, JOHN WILLIAM	1 Nield Crescent, Hendon, N.W.
1912.	WHITAKER, PHILIP HOLT	12 Birley Street, Blackpool. (The Addison, Woodward & Char-
1909.	WHITE, D'ORSAY McCALL	lotte Avenues, Detroit, Mich., U.S.
1907.	WHITE, EDWARD BERTRAM	P. O. Box 165, Pietermaritzburg,
1914.	WHITE, GEORGE	Natal. Windsor Works, Redditch.
1911.	WHITE, JOHN DUNCAN	1 Hermitage Gardens, Morningside, Edinburgh.
1911.	WHITE, JOHN WILSON	o/o American Express Co., Broad- way, New York, U.S.
1915.	WHITE, PATRICK THOMAS	Municipal Technical Institute,
1019	(WHITE, THOMAS EDWIN	Limerick. (Borjulie P.O., Tezpur, Assam,
1913.	SPRAGGE	India. 196 Deansgate, Manchester.
1899. 1892.	WHITEHEAD, JAMES PETER	(Municipal Technical College, Green
1904.		Hill, Derby.
1904.	WHITEHOUSE, GEORGE HENRY	Great Bridge Engineering Works, Tipton.
1907.	G. WHITEHOUSE, WILLIAM HENRY	Glencoed, Rushby Mead, Letch-
1911.	WHITELEGG, STANLEY HER-	worth, Herts. Res. Mech. Eng., Midland Railway,
1907.	WHITELEY, HENRY STANLEY	Plaistow, E. 25 Woodland Way, Mill Hill, N.W.
1909.	WHITE, ALEXANDER {	Purley, 60 Albert Road, Caversham,
1909.	WHITMEE, HAROLD BABINGTON	Reading. P. O. Box 470, Durban, Natal.
1913.	W	76 Wrigley Head, Failsworth,
	(WHITTINGTON, RICHARD	Manchester,
1911.	HENRY	20 Westminster Palace Gardens, Westminster, S.W.
1911.	WHITWORTH, LEONARD	Manager, Textile Machy. Dept., Osaka, Messrs. J. Morrison & Co., Osaka, Japan.
		Obena, vapan.

Dave of Election	•	
1912.	Whyte, Andrew Liddell	13 Queen's Terrace, Douglas, Isle of Man.
1908.	Whyte, Jardine Bell	Palmer Oil Co., Crocker Bldg., San Francisco, Cal., U.S.
1916.	WICKSTEAD, JOSEPH BANNEL	Messrs, John Bennet Lawes and Co., Atlas Works, West Ferry
1903.	WIDDICOMBE, ROBERT ALEX-	Road, Millwall, E. 5552 Lakewood Avenue, Chicago, Ill., U.S.
1900. G.) 1903. A.M.)	WIDDOWSON, ERNEST LEED-)	Lighteliffe, Halifax.
1898.	WIGGLESWORTH, FRANK	Clutch Works, Moss St., Bradford.
1913.	Wight, John Thomas	Sherwood, Manse Road, Corstor- phine, Midlothian.
1903.	WIGRAM, WALTER GOTT	Messrs. John Fowler & Co., Steam Plough Works, Leeds.
1908.	WILCOCKS, WILLIAM JOHN RICHARD	85 Fulham Palace Rd., Hammer-smith, W.
1913.	WILKIE, GEORGE MATTHEW	173 Haxby Road, York.
1913.	Wilkinson, Andrew	The Nook, Mossfield Road, King's Heath, Birmingham.
1901. G.)		Boro' Surveyor, Deptford Town
1903. A.M.) 1909. G.)		Hall, New Cross Road, S.E.
1911. A.M.		St. Laurence, Reading Road, South Farnborough, Hants.
1912.	WILKINSON, JOSEPH WILLIAM	United Electric Car Co., Strand
1912.	WILKINSON, LIONEL ST.)	Rd., Preston. Sunnybrae, Hollins Green, Oldham.
	(GEORGE)	
1911. G.) 1914. A.M.)		Govt. School of Engineering, Rasul, Punjab, India.
1904.	WILLANS, CHARLES TURNER	Messrs. Merricks, Crane & Co., 6 Great Winchester St., E.C.
1909.	WILLETT, EDWARD WALTER	East Indian Railway House, Calcutta.
1911.	WILLIAMS, ALFRED EDWARD	Assist. Loco. Supt., G.I.P. Rly., Parel, Bombay.
1904.	WILLIAMS, CHARLES	Messrs. E. Nicholl & Co., Bute Docks, Cardiff.
1911.	WILLIAMS, CHARLES THOMAS	Messrs. George Cradock and Co., Wakefield.
1901.	WILLIAMS, DAVID THOMAS	285 Broadway, Paterson, N.J., U.S.
1904.	WILLIAMS, EDWARD JOHN	317 Hertford Rd., Waltham Cross. (Calcutta Electric Supply, 26 Jheel
1911.	WILLIAMS, GOMER SILVANUS	Road, Cossipore, Calcutta.
1904. G.) 1911. A.M.		14 Mount Pleasant, Turners Hill, Cheshunt, Waltham Cross.
1914.	WILLIAMS, JOHN	United Alkali Co., Pilkington and Sullivan Works, Widnes.
1909.	WILLIAMS, JOHN EDGAR	Sudan Public Works Dept., Khartoum, Egypt.
1913.	Williams, John Lloyd	Messrs. Harry Ferguson, 83 May Street, Belfast.
1903.	WILLIAMS, JOHN ROBERT	Tramway Power Station, Kelham Island, Sheffield.
1898. G.) 1904. A.M.		Midland Pipe Co., Polesworth,
		Tamworth. (Chief Engr's. Office, United Alkali
1915.	WILLIAMS, PERCY	Co., Widnes.

1916.	ASSOCIATE ME	MB
Date of Election		
1901. G.)		P. (28
	WILLIAMS, VERNON INGRAM	Si
1900.	NORBURY WILLIAMS, WALTER DOEL	\mathbb{R}
1914.	WILLIAMSON, ARTHUR	M
1914.	WILLIAMSON, ARTHUR EDWARD	M
1899.	WILLIAMSON, EDWARD	M
1900.	WILLIS, EDWARD	E
1902.	Willis, George	M
1904.	Willis, George Oswald Bell	M
1913.	WILLIS, JOHN HECTOR	G.
		100

WILLMER, ERNEST EDWARD .. 1905. WILLSTEED, CHARLES WESLEY, 1903. R.N. WILSON, ALFRED CARRUTHERS 1911. WILSON, DANIEL ELLIS 1898. WILSON, DOUGLAS ... 1910. 1903. G.) WILSON, EWAIN MURRAY 1913. A.M. WILSON, FRANCIS JAMES 1911. WILSON, FRANK 1903. 1911. WILSON, FREDERICK ROBERT .. 1910. WILSON, GEORGE WILSON, HOWARD STUART 1907. WILSON, JOHN CHARLES 1898. WILSON, LEONARD HERBERT 1902. WILSON, NIGEL BROWN .. 1911. WILSON, NORMAN CRESSWELL 1911. 1905. G.) WILSON, PERCY HUTCHINSON 1910. A.M.

WILSON, ROBERT WOOD

1905,

Porth-yr-Aur, Carnarvon. 3 Loughborough Rd., Brixton, ir W. G. Armstrong, Whitworth & Co., Ashton Rd., Openshaw, Manchester. Gravels. Roman Minsterley. Shrewsbury. Ianager, Messrs. Handley Page Ltd., Kingsbury Works, The Hyde, Hendon, N.W. Iessrs. Babcock and Wilcox, Wheeler's Buildings, Hornby Road, Bombay, India. Iessrs. Manlove, Alliott & Co., 41-42 Parliament St., S.W. [Manloves, London. Gerrard 3405.7 ing. and Surveyor, Town Hall, Chiswick, W. Iessrs. Willis & Son, High St., Eton, Windsor; and 'Nhlazatie, Montem Rd., Slough. [Willis, Eton, Windsor. Windsor 3.]
Iessrs. Cammell, Laird & Co., Sheffield. as Dept., Council House, Birmingham. Chief Eng., Darragh Spinning Mills Co., Quilon, Travancore, India. 6 Chestnut Road, Plymouth. (National Boiler and General Insurance Co., St. Mary's Parsonage, Manchester. Prudential Buildings, Darlington. (Sunnycot, Nursery Avenue, Hale, Altrincham. Ellerby, Thetford. Messrs. R. Wilson and Sons, Bank Chbrs., Laygate Circus, South Shields. Messrs. Mosers, 178 Borough High St., S.E. Chief Eng., West Ham Borough Asylum, Goodmayes, Ilford. 75 Eyre Street, Sheffield. 9 Gainsborough Mansions, Queen's Club Gdns., West Kensington, W. 115 Foxhall Road, Nottingham. (Mines Dept., Winchester House, Johannesburg, Transvaal. 19 Riverway, Palmer's Green, N.

(44 Radnor Road, Handsworth, Birmingham. Staveley Coal and Iron Co., near Chesterfield. Messrs. Fullerton, Hodgart & Barclay, Vulcan Works, Paisley,

1915.	Wilson, William Brown	Works Manager, Meteor Mills Ltd., Meteorite Works, 142 Uxbridge Rd., Shepherd's Bush, W.
1908.	WILTON, JOHN DANIEL	Wilton's Engineering & Slipway Co., 2 West-Kousdijk, Rotterdam, Holland.
1906.	WILTON, LESLIE EDWARDS	Messrs. Davis, Bennett & Co., 94A Horseferry Road, Westminster, S.W.
1908.	WILTON, WILLIAM	Managing Director, Wilton's Engineering and Slipway Co., Rotterdam, Holland.
1901. 1903. A.	G.) WINDSOR, ARTHUR WHALESE	22 Kimberley Road, Harrow.
1911.	WINSOR, WILLIAM HAYMAN .	Messrs. R. Hornsby and Sons, 75B Queen Victoria St., E.C.
1914.	WINTER, ALEXANDER HARR GEORGE DOUGLAS	
1911.	WINTER, WILLIAM	Elmbank, Abingdon Road, East Finchley, N.
1913.	WIRRICK, JOHN PARKINSON .	Works, Oldbury.
1908.	WISE, GEORGE MACDONALD .	P.O. Box 243, Apollo Street, Bombay.
1902. 1 1904. A.I	G.) WISWALL, JOHN WILLIAM .	(Mogara Chas Howgon & Co 164
1904. 1911. A.I	G.) WITHERINGTON, CHARLES HAN	Kacharigaon Tea Estate, Borjulie P.O., Assam, India.
1910.	WOLSEY, WILLIAM GEORGE .	
1911.	Wood, Harry	Ingersoll-Rand Co., 165 Queen Victoria St., E.C.
1909.	Wood, Harry Arden	(Corpl., R.E.), Searchlight Section, I.E. Force "D," c/o Presidency Postmaster, Bombay.
1907. 0 1910. A.I	$\left\{ egin{aligned} rac{G}{M} \end{array} ight\}$ Wood, Herbert Langton $\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \$. Post Box 666, Moscow, Russia.
1904.	Wood, William John Harve	Y Station Supt., Bolton Corpn. Elec- tricity Works, Bolton.
1901.	Woodger, Peter Bisset .	Engineer's Office, Gt. Central Rly., Grimsby Docks.
1913.	WOODHAMS, PERCY PAYNE .	Messrs. Fraser and Chalmers, 3 London Wall Buildings, E.C.
1906. (1912. A.M	H.) Woodhouse, Capt. Ernest	
1905.	Woodhouse, Noel	Union Cable Co., Dagenham Dock, Essex.
1908. (1913. A.M	Woods, Edmond William	
1915.	Woods, Ernest Edwin	(Inspector of Steam Boilers and Prime Movers, Town Custom House, Bombay.
1903.	Woods, Harry	51 St. David's Road, Southsea, Portsmouth,
1913.	Woods, Herbert Frank	Yorkshire Electric Power Co., Barugh Power Station, Barnsley.
1910. (1915. A.N		Messrs. H. W. Ward & Co., Dale Road, Bournbrook, Birming- ham.

		(British Portland Cement Manufrs.,
1903.	Wornum, John Ruskin	Works Dept., 6 Lloyd's Avenue, E.C.
1907.	Worsey, John Robert	Technical School, Handsworth, Birmingham.
1903. G.) 1911. A.M.	Worssam, Leslie Henry	Messrs. G. J. Worssam and Son, Wenlock Road, City Road, N.
1906. G.) 1914. A.M.)	WORSSAM, RALPH	Messrs. G. J. Worssam & Son, Wenlock Road, City Road, N.
1902. G.) 1911. A.M.)	WRIGHT, ARTHUR REGINALD	Rosemary, Sydney Road, Muswell Hill, N.
1900.	WRIGHT, ERNEST	St. Mary's Cottage, Waxwell Lane, Pinner, S.O., Middx.
1901.	WRIGHT, FRANK	19 St. Charles Square, North Kensington, W.
1905.	WRIGHT, FRANK	Fairlawn, Weybridge.
1902. G.) 1906. A.M.)	WRIGHT, FRANK CLAUDE	Messrs. Hubert Davies & Co., P.O. Box 1386, Johannesburg, Transvaal.
1903. G.)	WRIGHT, FRANK THOMAS	Assist. Carr. & Wagon Supt., South Indian Rly. Co., Negapatam,
1910. A.M.)	WRIGHT, FRANK THOMAS	Madras.
1910.	WRIGHT, GEORGE	Works Mgr., Messrs. Porter & Co., Gowt's Bridge Works, Lincoln.
1915.	WRIGHT, HARRY THOMAS	58 Kingston Road, Teddington, S.W.
1889. G.) 1895. A.M.	WRIGHT, HOWARD THEOPHILUS	Avening, The Green, Cowes.
1913.	WRIGHT, HUGH	Messrs. Cochrane & Co., Woodside Iron Works, Dudley.
1900.	WRIGHT, ISAAC HENRY	7 Abington Rd., Brooklands, Man- chester.
1912.	WRIGHT, JAMES WILLIAM EWART GLADSTONE	Messrs. Davey, Paxman & Co., Standard Iron Works, Colchester.
1913.	WRIGHT, JOHN LAIRD	Kishm, c/o Clerk-in-charge, Tele- graph Stn., Henjam, Persian
4000	TI D	Gulf. (Henley's Telegraph Works, Graves-
1900.	WRIGHT, RICHARD OLIVER	end.
1905.	WRIGHT, THOMAS GEORGE	471 Hornsey Road, N. (India Rubber, Gutta Percha and
1909. G.) 1913. A.M.)		Telegraph Works Co., Silver- town, E.
1906.	WYATT, ARTHUR JAMES HERVEY	Elmhurst, Kimbolton Rd., Bedford.
1914.	WYLIE, ALEXANDER FORREST	Calcula, Illula.
1911.	WYNYARD-WRIGHT, VAUGHAN LASCELLES	(2nd Lieut.), 27th Light Cavalry, Bowengulli, Secunderabad, Dec- can, India.

		(Messrs. Princeps & Co., Princeps
1901.	YARDLEY, WILLIAM HENRY	Works, Matilda St., Sheffield.
1900. G.)	YATES, DONALD RUSSELL	(Messrs. George Gahagan & Co.,
1903. A.M.)	MARTIN	Bellasis Road, Bombay.
1907. G.)		Monabarri T. E., Mijikajan P.O.,
1914. A.M.	YATES, ROBERT VERNON	Bishnath, Assam, India.
1906. G.)	YORK, REGINALD STANLEY	10 Degent Causes Demenster
1910. A.M.	YORK, REGINALD STANLEY	18 Regent Square, Doncaster.
1906.	YOUATT, CLAUDE SEPTIMUS	23 Egerton Rd., Fallowfield, Man- chester.
1912.	Young, Algernon Gordon	Messrs. H. Young & Co., Nine Elms Iron Works, S.W.
		(Messrs. H. Young & Co., Nine
1912.	Young, Douglas Stewart	Elms Iron Works, S.W.
1913.	Young, Frank	Messrs. Arthur Butler & Co., Mozufferpore, Tirhoot, India.
1905. G.)	¥	(Messrs. J. G. White & Co., Caixa
1912. A.M.	Young, Geoffrey	235, Pernambuco, Brazil.
1915.	Young, Harry Williamson	Messrs. Alley and Maclellan, Senti-
	· · · · · · · · · · · · · · · · · · ·	nel Works, Polmadie, Glasgow.
1906.	Young, Henry William	Witney, Oxfordshire.
1900.	Young, Henry Wilson	Norwich House, 13 Southampton St., Bloomsbury, W.C.
1907. G.)	V T G-	(Messrs. David Rowan & Co., 231
1910. A.M.	Young, John Graham	Elliot St., Glasgow.
1914.	Young, John Henry Maliph-	Chief Eng., British Oil and Cake Mills, 29 Great St. Helen's, E.C.
1912.	Young, John Robert	County Asylum, Stafford.
		(Messrs. H. Young & Co., Nine
1907.	Young, Percy Lot	Elms Iron Works, S.W.
1914.	Young, Robert Clachar	(59 Langdale Avenue, Levenshulme,
1314.	TOUNG, ROBERT CLACHAR	Manchester.
1913.	Young, Stanley Gordon	(c/o Mrs. Outram, 5 Jackson's Lane, Highgate, N.
1907. G.)	77. 777 79	
1910. A.M.	Young, Wallace Franchan	2 Chantry Road, Clifton, Bristol.
1899.	Young, William	Eng., London County Asylum, Sutton, Surrey.
1914.	YUILL, MATTHEW	Rising Sun Petroleum Co., 58 Yam-
		ashita-cho, Yokohama, Japan.

Date

ASSOCIATES.

of Election	[A. I. Mech. E.]
1892. 1914.	BOWMAN, FREDERIC HUNGER- (181 Stamford St., Brooks Bar, FORD, D.Sc., F.R.S.E Manchester. BRIGHT, JOHN HADFIELD Imperial Hydro Hotel, Blackpool.
1902. 1912.	{Chandabhoy, Shapoorjee} Apollo St., Fort, Bombay. Clark-Neill, James 50 Bothwell St., Glasgow.
1899. 1898.	DOUGLAS, LOUDON McQUEEN, Douglas Wharf, Putney, S.W. F.R.S.E
1900. 1891.	FEATHER, ROBERT
1889. 1902. 1909.	Golby, Frederick William 36 Chancery Lane, W.C. Grierson, Henry Forster Guest, Edward Graham, Messrs. McVitie, Guest & Co., 136 F.R.S.E Princes St., Edinburgh.
1891.	JACKMAN, JOSEPH
1991.	JAMES, ALBERT ALFRED West Bromanich. 5014.

Date	of	Election.

1896.	KENNAN, WILLIAMS THOMAS {Messrs. Kennan & Sons, Fishamble St., Dublin. [Kennans, Dublin.]
1907.	KILBURN, BEETRAM EDWARD Chancery Lane Station Chbrs., DUNBAR High Holborn, W.C.
1896.	King, Benjamin Thomas \ [65 Queen Victoria St., E.C. [Geologic, London. Central 682.]
1898.	LEECHMAN, GEORGE DOUGLAS Lamb Building, Temple, E.C. (Messrs. Schäffer & Budenberg, 5
1896.	Lemkes, Carl Rudolf Lewin Wellington St., Glasgow. [Injector, Glasgow. Royal 3119.]
1886. 1898.	Mackenzie, Keith Ronald Vectis, Bembridge, Isle of Wight. Marshall, Percival 66 Farringdon Street, E.C.
1890.	MEGGITT, SAMUEL NEWTON (Hobe Steel Works, Sheffield.
1916.	(Montagu of Beaulieu, The Right Hon, Lord, C.S.I) "Car" Offices, 62 Pall Mall, S.W.
1914.	MURPHY, LEONARD (Dublin Distillers' Co., 157 Thomas Street, Dublin.
	(23333, 2 2322
1902.	NOYES, EDWARD 115 Clarence St., Sydney, N.S.W.
1886.	Peacock, William J. P 8 Onslow Square, S.W.
1888.	Peake, Robert Cecil {Cumberland House, Redbourn, St. Albans.
1887. 1887.	PEECH, HENRY 15 Victoria St., Westminster, S.W. PEECH, WILLIAM HENRY 15 Victoria St., Westminster, S.W.
1884.	PHILLIPS, RICHARD MORGAN Scool J. Griffin, 6 Algiers Rd., Lady-
1891.	(Life Associate) \ well, S.E. PLANT, GEORGE 242 Rotton Park Rd., Birmingham.
	Eagle Range and Foundry Co., Catherine St., Aston, Birming-
1897.	PRIOR, JAMES D
	Park Rd., Moseley, Birmingham.
1911.	RANSFORD, ROBERT BOLTON {24 Southampton Buildings, Chancery Lane, W.C.
1891.	ROWCLIFFE, WILLIAM CHARLES 1 Bedford Row, W.C.
1899.	SACHS, EDWIN OTHO 7 Waterloo Place, Pall Mall, S.W.
1900.	SALOMONS, Sir DAVID LIONEL Broomhill, Tunbridge Wells. GOLDSMID-STEEN, Bart Broomhill, Tunbridge Wells.
1909.	SEIFEDDIN, H.R.H. PRINCE (c/o Vice-Admiral Ahmed Pasha, ret., Box 233, Galata Post Office, Constantinople.
	Companiono

1893.	SIMPSON, EDWARD PERCY	
1892.	STEAD, JOHN EDWARD, D.Sc.,	11 Queen's Terrace, Middlesbrough.
2002	{ F.R.S	[Stead, Middlesbrough.]

		(Wardrobe Chbrs., 146A Queen
1893.	WADHAM, ARTHUR	Wardrobe Chbrs., 146A Queen Victoria St., E.C. [Wadham, London.]
		London.]
1897.	WALLACH, LEWIS CHARLES .	Royal London House, Finsbury Sq., E.C.
10011		
1898.	WARNER, ASHBY WILLIAM .	Messrs. Ashby Warner & Co., Homerton, N.E.
2000	112222222222222222222222222222222222222	· (Homerton, N.E.
1913.	WHITE, ALFRED ERNEST .	Jessel Chambers, 88-90 Chancery Lane, W.C.
	W C	
1912.		. 10 Bush Lane, Cannon Street, E.C.
1883.	WILLIAMSON, ROBERT S	Cannock and Rugeley Collieries, Hednesford, Stafford.
		(Maggar F Wiseman & Co Cilver
1891.	WISEMAN, EDMUND	St Tuton and Unlands Tandon
1091.	WISEMAN, EDMOND	Messrs. E. Wiseman & Co., Silver St., Luton; and Uplands, London Rd., Luton. [Wiseman, Luton.]
		(42 Spring Gardens Manchester
1897.	Wood, WILLIAM ALFRED .	42 Spring Gardens, Manchester. [Certificate, Manchester.]
1910.	WYNESS, JAMES PETER	6 Mangoe Lane, Calcutta, India.
20401	The second of th	· · · · · · · · · · · · · · · · · · ·

GRADUATES.

[G. I. Mech. E.]

Date of Election.			
1911.	RAHAM, FREDERICK	HER-	1 Woodville Terrace, Horton Lane, Bradford.
	BRAHAM, FREDERICE WILLIAM		(Capt.), Railway Operating Division, Royal Engineers, British Ex- peditionary Force.
1911. AD	DAMS, ALFRED BARTON		Messrs. Adams & Co., 1 Sise Lane, Queen Victoria St., E.C.
1914. AD	AMS, ARTHUR JOHN .		Blydefontein, Naaupoort, Cape Colony.
1912. AD	AMS, CHARLES HENRY		16 Tasman Rd., Clapham, S.W.
1911. AD	DAMS, DUDLEY		Messrs. Adams & Co., 1 Sise Lane, Queen Victoria St., E.C.
1885. AD	DIS, FREDERICK HENE	BY	Ajmer, Rajputana, India.
1913. Ан	IMED, MOHAMED		Govt. Hydraulic Dept., Bagdad,
1911. An	LAN, JOHN EASTON 1.		Turkey-in-Asia. 15 St. Paul's Road, Foleshill, Coventry.
1910. AL	LINSON, GEORGE LESL	IE	Vigornia, Queen's Park, North- ampton.
	IARNATH, LALLA		Chunian, Lahore, India.
	IBLER, CHARLES PEAR		3 Mount Preston, Leeds.
1915. <	MOND	DRUM-	(2nd Lieut.), 2/1st Cheshire Field Co. R.E., Kempston, Bedford.
1913. AN	NACKER, JOSEPH PETE	ER	Springfields, Powys Lane, South- gate, N.
1911. AR	MSTRONG, ALFRED CHA	ARLES	Box No. 2383, General Post Office, Sydney, N.S.W.
1913. AR	MSTBONG, WILLIAM I	Kingo	Yarborough House, Smedley Lane, Manchester.
1914. As:	H, SYDNEY HUBERT .		Officers' Mess, Royal Engineers, Chatham.
1912. As:	LETT, EDWARD STRATT	on	Asst. Carr. & Wagon Supt., N.W. Rly., Lahore, India.
	TACK, ARTHUR MARSHA		Ferndale, Wantage Rd., Reading.
1911.	BRAY	Mow-	83 Hopton Road, Streatham, S.W.
1912. Ay	RES, GEORGE HERBER	т	83 Hunton Road, Erdington, Bir- mingham.

1911.	BANERJEE, AMNLYA CHARAN	Baidyabaty, Hooghly Dist., Bengal, India.
1912	BARRER ALERED THOMAS	14 Dyne Road Brondeshury NW

1914.	BARDSLEY, JOHN CAMERON	Sunnycroft, King Egbert Road, Dore, Sheffield.
1910.	Barnes, Eric Earle	22 Park Hill, Ealing, W.
1911.	BARNES, HAROLD NOEL WYKE-	45 Kensington, Liverpool.
1913.	BARR, ALARIC CECIL	7 St. George's Road, S.W.
1913.	BARRETT, CHARLES HENRY	Roxborough Hotel, Harrow.
1915.	BARSTOW, MICHAEL WILLIAM	Greenhill, Sheffield.
1913.	Basch, Henry	14 Woodstock Road, Poplar, E. (Laverstoke, 93 Uttoxeter New
1915.	BATER, KENNETH COURTENAY	Road, Derby.
1913.	BATES, GEORGE EDWARD	Birpara Tea Estate, Birpara P.O., Jalpaiguri, India.
1913.	BEACHAM, THOMAS EDWARD	19 Corsica Street, Highbury, N.
1911.	Beaton, Harris John	Shrublands, Weston Grove Road, Woolston, Southampton.
1912.	Beevers, Leslie	Greeba Terrace, Welbeck St., Wake- field.
1911.	BEIT, RUPERT OWEN	Priors Dene, 204 Ewell Rd., Sur-
2011.	BEIT, RUPERT OWEN	biton Hill, S.W. §29 Aldbourne Road, Uxbridge Road,
1912.	Benny, Herbert Berger	W.
1912.	Bentley, Hubert	7 Woodbine Terrace, Halifax.
1909.	BENTLEY, WALTER OWEN	38 Netherhall Gardens, Hampstead, N.W.
1911.	Best, Alfred, Jun	2 Barnett St., Burnt Tree, Tipton.
1914.	BINGHAM, JAMES HERBERT	Aislaby, Leabrooks, Alfreton.
1911.	BIRCH, ERNEST WILLIAM	13 Ladbroke Road, Notting Hill, W.
1911.	Blanchard, Leslie William	57 Longridge Road, Earl's Court, S.W.
1912.	(BOLTON, CHARLES JOHN	Messrs. J. Stone & Co., 7/2 Welles-
1915.	BONAR, DAVID DOUGHTY MILL	ley Place, Calcutta. 73 Westbourne Avenue, Hull.
1913.	BONAR, ROBERT	Victoria Gardens, Kirkcaldy.
1913.	BOND, FREDERICK WILLIAM	Thorncliffe, Brighouse.
1912.	Bond, Henry Fielding	Queenscliff, Ipswich.
1915.	Bound, William Henry	Drawing Office, Engineering Dept., H.M. Dockyard, Portsmouth.
1913.	BOURBEL, GODFREY DE	Assist. Loco. & Carr. Supt., South
1907.	BRAMWELL, ERNEST CHARLES	Indian Rly., Negapatam, India. 51 Oakthorpe Road, Oxford.
1011	70	(National Physical Laboratory,
1911.	Bramwell, Francis Herbert	Bushy House, Teddington, Middlesex.
1887.	BREMNER, BRUCE LAING	Assist. Loco. Supt., Uganda Rly.,
1912.	Brennand, John	Nairobi, Brit. E. Africa. Kildonan, Sutton-on-Sea, Lines.
1912.	BRIERLEY, WALTER	Maplecroft, Fassett Road, King-
1908.	RETURNS TANGET OF VALUE	ston-on-Thames. County Motor Works, Poole Rd.,
	BRINTON, LANCELOT KNIGHT	Branksome, Bournemouth.
1912. 1909.	Brodie, Edward David Bromwich, Bernard Alfred	30 The Paragon, Bath. 44 Sydenham Rd., Croydon.
1915.	Brooks, William Edwin	(20 Gloucester Crescent, Regent's
1010.	DAGOES, WILLIAM EDWIN	Park, N.W.
1909.	BROWN, FREDERICK ARTHUR	Construction Dept., Canadian Pacific Rly., Windsor Station,
	.,	Montreal, Quebec, Canada.

1909.	Browne, John Lovell	18 Moorgate Avenue, Crooksmoor Road, Sheffield.
1914.	(BRUCE, ALEXANDER CHARLES	(Capt., A.S.C.), Headquarters, Low- land Mounted Brigade, B.M.E.F.
1915.	BRYANT, CYRIL	33 Monks Road, Lincoln.
1910.	BUCKTON, ARTHUR SCOTT	69 Hampton Rd., Forest Gate, E.
1913.	BUDENBERG, CHRISTIAN FRED-	Trinity College, Cambridge.
1913.	Bullivant, Trevor	Messrs. Bullivant & Co., 72 Mark Lane, E.C.
1914.	BUTTERFIELD, KENNETH	Airewood, Thwaites Brow, Keighley.
1913.	BUTTERWORTH, BEN	429 Bury Road, Rochdale.

		(Mosara E P Colthren & Deutsen
1912.	(CALTHROP, KEITH DE SUF-	Messrs. E. R. Calthrop & Partners, Eldon St. House, Eldon Street,
1912.	FIELD	E.C.
		Loco. Dept., Plant Works, G.N.
1912.	CARR, REGINALD SIDNEY	Rly., Doneaster.
1910.	CARTER, STANLEY CYRIL	Burnage, Sydenham, S.E.
1912.	CARTWRIGHT, IAN ROBERT	Whitehurst, Frere Rd., Sea Point,
	,	Cape Town, Cape Colony. Mount Pleasant, Barrow-in-
1891.	CASWELL, CHARLES HENRY	Furness.
		Bradenstoke, West Byfleet, Wey-
1914.	CATON, CECIL ROWLAND	bridge.
1010	(CHANDLER, WILLIAM RICHARD	The Lindens, Malvern Link, Mal-
1912.	POWELL	vern.
	(CHANDRASHEKHARAIYA, HOSA-	Asst. Supt., Govt. Industrial School,
1913.	GRAHAR RAMANNA	Channapatna, Bangalore Dist.,
4040		India.
1912.	CHRIMES, THOMAS EDWARD	25 The Avenue, Eastbourne.
1914.	CLARKE, HARRY GEORGE	34 Barrowgate Road, Chiswick, W.
1908.	CLAUSEN, HUGH	61 Carlton Hill, N.W.
		Loco. Dept., Midland Rly., Lan-
1912.	CLEWS, ROLAND TREVOR	caster.
1911.	CLOWES, SIDNEY	66 Cedar Road, Aintree, Liverpool.
1911.	COARD, CHARLES ARTHUR	The Dell, Spur Road, Parkstone,
1011.	COARD, CHARLIS IIIIII	Dorset.
1909.	COOK, FREDERICK WILLIAM	35 Rudloe Road, Clapham Park,
	,	S.W.
1912.	Соок, Јони	123 Varna Rd., Edgbaston, Birming- ham.
1912.	COOK, JOHN WILLIAM DONALD	Chadhurst, Potters Bar, Middlesex.
	, , , , , , , , , , , , , , , , , , , ,	c/o C. H. Petford, Lafenwa, Antro-
1911.	COPLEY, HUGH	bus Road, Handsworth, Birm-
		ingham.
1912.	CORFE, ALLAN WILLIAM	16 Clwyd St., Upper Brighton,
avam;		Wallasey, Cheshire.
1909.	CORKERY, ALBERT THOMAS	P. W. D., Johore Bahru, Johore,
-	{ MOORE	Straits Settlements.
1912.	Cousin, Arthur Norman	o/o S. Cousin, Nower View, Falk-
		land Grove, Dorking.

Ganz Electric Co., P.O. Box 1473,

1911.	CRAWSHAW, PERCY WILLIAM Silver Oaks, 22 Abbott Rd., Luck-
AULL.	onawshaw, FERCY WILLIAM \ now, India.
1912.	(CROFTON, EDWARD VIVIAN) Marlton House, Wicklow.
	MORGAN Mailton House, Wicklow.
1912.	CROMIE, WILLIAM HENRY 3 Cavendish Rd., Balham, S.W.
1914.	CRONIN, HENRY FRANCIS 56 St. Anne's Crescent, Lewes.
1912.	CROOKE, SIDNEY EGERTON 7 Stuart Road, Acton, W.
1914.	CROSSE, ERNEST 30 Waterloo Road, Wolverhampton.
1907.	CROW, SYDNEY HOLBROOK 190 High St., Guildford.
1913.	(Chowden, John Cartwright (Sunnyside, 70 London Road, Peter-
1313.	TRIGUE borough.
1912.	(10 Penywain Place Roath Park
1912.	CRYER, THOMAS BOND Cardiff.
1010	(CUTBILL, EDWARD HILTON (Messrs. Macbeth Bros. & Co.,
1913.	EYRE Bombay, India.

	1913.	Dale, Tom Jesse	Ganz Electric Co., P.O. Box 1473,
	1010.	DALLE, TOM SESSE	Cairo, Egypt.
Cir	1910.	Dalkin, George Robert	c/o Box 1262, Edmonton, Alb.,
	1915.	D III	Canada. 75 Beaconsfield Villas, Brighton.
		DANCY, WILFRID	(c/o J. E. Darbishire, 25 Victoria
	1912.	DUKINFIELD	Street, Westminster, S.W.
	1912.	DAVISON, WILLIAM	Sunnyside, Whitfield, Dover.
	1911.	Demont Huppung Dungs	(Loco. Dept., L.B. & S.C. Rly.,
	1911.	DAWSON, HERBERT PERCY	Battersea, S.W.
	1909.	DE AGUIRRE, OLYNTHO CONTO	sc/o D. João A. Aguirre, Estado do
	2000.	DE EGOLIE, OZINIO CONTO	Espirito Santo, Victoria, Brazil.
	1010	(DELVES, FRANCIS JOSEPH,	Sperry Gyroscope Co. Ltd., 15
	1912.	Jun	Victoria Street, Westminster, S.W.
		•	(Haret Syaeda Zenat, 6 Haret Sham-
	1909.	DEWIDAR, MOHAMED FOAD	ashirgy, Cairo, Egypt.
100	1010	n a n	(4 Kenmare Mansions, Gondar
er	1912.	DICKSEE, CEDRIC BERNARD	Gardens, West Hampstead, N.W.
	1912.	DICKSON, HUGH SPENCER	14 Conway Avenue, Carlton, Not-
	1314.	DICKSON, HUGH SPENCER	tingham.
	1916.	DIGWEED, ERNEST NORMAN	1249 Francis Avenue, Southsea,
	2020,		Portsmouth.
	1911.	DISCOMBE, ALGERNON HAN-	Asst. Loco. Supt., Nigerian (Eastern)
		(HAM	Rly., Port Harcourt, S. Nigeria. (Central Y.M.C.A., Tottenham Court
	1915.	Dodds, Thomas Ernest	Road, W.C.
	1912.	Domleo, Robert Freakson	Middlestead, Breaston, Derbyshire.
	1910.	DORMAN, RICHARD BROOKE	Connaught Club, Marble Arch, W.
	1913.	DOBSETT. WILFRED BRAYBROOK	(69 Dunvegan Road, Eltham Park,
			S.E.
	1912.	DRUITT, CHARLES LAMBERT	27 Palace Street, Canterbury.
Ox	1912.	DRUMMOND, WALTER JAMES	23 Cannon Place, Hampstead,
		(Duckworth, Christian)	
	1914.	LESLIE DYCE	28 Grosvenor Place, S.W.
		(

1912.	Duncan, Bernard Arthur	7 Belvidere Rd., Princes Park, Liverpool.
1891. 1913.	Duncan, Martin Gordon Duncan, William Jolly, B.Sc.	741 Pacific Street, Vancouver, B.C.
1912.	DUTHIE, HAROLD	

	1911.	EASTON, CYRIL ALBERT	7 Shell Rd., Lewisham, S.E.
	1914.	EDELEANU, ION	57 Redcliffe Road, South Kensington, S.W.
	1911.	EDWARDS, ARTHUR HEWITT	Brazilian Rly. Co., 1 Praca Mana, Rio de Janeiro, Brazil.
	1914.	EDWARDS, EDWARD HARRISON	16 Parkdale, Wolverhampton.
	1914.	EDWARDS, ROBERT GORDON	97 Maxey Road, Woolwich.
	1913.	ELLINGHAM, ERNEST HARRY	Cintra, Roundhay, Leeds.
	1913.	ELLIOTT, JOHN RICHARD	Royal Laboratory, Royal Arsenal, Woolwich.
	1910.	Ellis, Herbert Dudley	
	1912.	English, John	(128 Watford Road, King's Norton, Birmingham.
	1911.	EUSTACE, FRED ARTHUR	19 Woodstock Road, Croydon.
Œ	1909.	Evans, Albert Leonard	Albenai, Woolwich.
	1914.	Evans, James Hubert Bourne	85 Cecil Avenue, Wembley, Middle- sex.
	1912.	Eyles, George Frederic	Drawing Office, Messrs. Willans and Robinson, Rugby.

1907.	FREDERICK	Ravendale, East Acton, W.
1913.	FARR, LIONEL	Yaxley, Peterborough.
1911.	FAULENER, JAMES EDWARD	(99 Hay St., Subiaco, Perth, Western Australia.
1911.	(DONCALI	41 Devonshire Road, Harrow.
1915.	FITZGERALD, THOMAS	(90 Russell Road, Wavertree, Liver- pool.
1911.	FLEMING, SAMUEL HENRY	Oldtown House, Letterkenny, Ireland.
1910.	FORREST, HUBERT	193 Bensham Manor Road, Thornton Heath, Surrey.
1911.	FORSYTH, WILLIAM JAMES	Clandon, Chase Green Avenue,
1912.	FORWARD, PHILIP GRAINGER {	Tiverton, McLeod Road, Abbey Wood, Kent.

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Date of Election.		
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7 Lewes Road, Brighton. Messrs. Fraser & Chalmers, Erith, 1913. FOSSEY, ALFRED HENRY .. 1910. Fox, CHARLES WOODWARD

Kent. 42 Lambolle Road, Hampstead, 1910. FRANCE, WILLIAM HENRY N.W.

	1911.	GARDNER, ROBERT HASWELL {	147 Osborne Road, Jesmond, New-
	TOIL,	,	castle-on-Tyne.
	1010		Messrs, R. W. Cameron & Co.,
	1910.	GARNER, HARRY MILLS }	34 Queen Street, Melbourne,
		· ·	Victoria.
	1913.	GARNER, WILLIAM CLEWES {	96 Kirkmanshulme Lane, Long- sight, Manchester.
		}	Loco. Supt.'s Office, Rhodesian
	1909.	GIBSON, KARL JOCELYN {	Rlys., Umtali, Rhodesia.
		(GILBERT, REGINALD WILLIAM)	
	1912.	ARTHUR	93 Tuddenham Road, Ipswich.
	1909.	GILLIES, CHARLES MALCOLM	52 Holland Road, Kensington, W.
E	1914.	GISSEL, HENRY	26 Linden Gardens, Chiswick, W.
	1912.	GLEDHILL, CHARLES	8 Cambridge Street, Castleford.
	1907.	GLEDHILL, GILBERT	Dersingham, Greenroyd, Halifax.
	1915.	GLINN, ROY JAMES	Penlee, Belmont Hill, Lee, S.E.
	1910.	GLOVER, RONALD BROWN {	Olive Mount, St. Ann's, St. Helens,
			Lancs.
	1912.	GOMME, DAVID ESMOND {	Chandowa, Rosekandi P.O., Cachar,
		,	India.
	1912.	Gooch, Stanley John {	Public Works Dept., Ipoh, Perak, F.M.S.
	1914.	Goodier, Robert	Waldegrave, Fairfield, Manchester.
		(Gun Section, Royal Suffolk Hussars,
	1908.	COMI, ALBERT HERRI)	Woodbridge.
	1910.	GRAHAM, ROLAND FUSSELL	9 Kitson Rd., Barnes, S.W.
	1913.	GRANTHAM, JOHN ALPE	The Bijou, Thames Ditton.
	1912.	GREEN, FRANK MENZIES	3 Colebrooke Avenue, Ealing, W.
			Rue Gambetta, Port de Bouc,
	1910.	GREENFIELD, ARTHUR	Bouches du Rhone, near Mar-
			seilles, France.
	1912.	GREENFIELD, ERIC BERAND {	4 Rondu Road, Cricklewood,
	1913.	GREENWOOD, JOHN DENNIS	47 London Road, Braintree.
-			East Stockwith Vicarage, Gains-
Ľ	1913.	GURNHILL, JOHN BYRON {	borough.
		,	

	1914.	HAILE, FRANK	5 Bath Street, Brighton.
	1910.	HALL, GILBERT SUDBURY	Greenaleigh, Matlock Bath.
	1911.	HALL-BROWN, ARCHIBALD	Leighton, Saltburn-by-the-Sea.
E	1911.		/115 Tal-1-11 D 1 Trin

1908.	Hamilton, Harry	Nottingham Terrace, 431 Eccles New Rd., Weaste, Manchester.
1913.	HARDY, THOMAS HENRY	\$29 Laburnum Road, Gorton, Man- chester.
1911.	HARDY, WILLIAM GUY	95 St. Giles Road, Normanton, Derby.
1913.	HARRIS, LYN ARTHUR PHILIP	Redcote, Llanishen, Cardiff.
1915.	HARRISON, ROBERT CECIL	23 Low Street, Winterton, Don- caster.
1913.	HARWOOD, EDMUND MILLS	Messrs. Duncan Stratton & Co., Post Box 64, Bombay, India.
1915.	HAY, STANLEY GARDINER	Borough Engineer's Office, Brighouse.
1915.	HAYNES, NORMAN PILKINGTON	The Cottage, Clifton, Nottingham.
1912.	HAYWARD, RUSSELL DALLAS	No. 2440, G Company, 4th Battalion Wilts, G.P.O., Bombay.
1906.	HEAD, GEORGE BURGES DIGBY	Messrs. Marshall Sons & Co., Ballard Rd., Bombay.
1914.	HEAD, JOHN LAURENCE	246 Willesden Lane, N.W.
1911.	HEAP, GEORGE HERBERT	Glenhurst, Balmoral Road, Norbreck, Blackpool.
1911.	HEBBLETHWAITE, WILLIAM MURRAY	151 Halifax Old Road, Huddersfield.
1913.	HENDERSON, CHARLES GRA-	Spenholme, 73 Enys Road, East-
1909.	HENRIQUES, WILFRID QUIXANO	bourne. 50 Sussex Gardens, Hyde Park, W.
1912.	Heron, Sam Dalziel	Royal Aircraft Factory, South
1910.	HIDE, WALTER DANIEL	Farnborough, Hants. 8 Woodberry Grove, Finsbury Pk., N.
1911.	HILL, ARTHUR TRENCHARD	West Surrey Water Works, Walton Bridge, Walton-on-Thames.
1912.	HILL, SYDNEY BURGAN	((Lieut., R.E.), 1/7th Hants Field
1908.	(HITCHCOCK, GEOFFREY ED-	Co. R.E., Salonica Force. (Lieut., R.E.), Haynes Park, Bed-
1900.	MUND WILLIAM	ford.
1911.	Hodgson, Leonard Stanley	75 Riverdale Road, Ranmoor, Sheffield.
1913.	Hodgson, William	415 Spring Bank West, Hull. (Wesley Street, Carrington, Not-
1891.	Hodgson, William James	tingham.
1887.	Hogg, William	Fintragh, Shrewsbury Rd., Dublin. 31 Vine Street, Lincoln.
1913.	HOLLOWDAY, CARL VICTOR HOMEWOOD, JAMES BLÜM	6 Gloucester Rd., Belvedere, Kent.
1911.		(Messrs. Willans & Robinson,
1913.	Houston, Thomas Ralph	Victoria Works, Rugby. (Brazil North Eastern Railways,
1913.	How, STANLEY MURDOCH	Ceara, Brazil. Britannia Iron Works, Bedford.
1889.	Howard, Geoffrey	(Messrs. Colman's Mustard Mills,
1883.	Howard, Harry James	Carrow Works, Norwich. (Keymer Villa, Keymer, Hassocks,
1 913.	HUGHES, CUTHBERT LOCKETT	Sussex. ((2nd Lieut., A.S.C.), No. 6 Motor
1913.	Hughes, Percy Henry	Ambulance Convoy, 10th Corps, 3rd Army, British Expeditionary
7010	man Walanday as army of distriction of the	Force.
1907.	HUGHES, STANLEY CHESTER	Chesterfield, 4 Prince's Rd., Wimbledon, S.W.

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1909.	Humble, George Craster {	Sociedad Española de Construc- ciones Naval, Ferrol, Spain.
1912.	Humby, Robert	(Capt., R.M.), Divisional Engineers, R.N.D., Naval Camp, Blandford.
1909.	HUNT, HENRY FRANCIS {	Cotsford, Uplands Park, Enfield, Middx.
1910.	HUNTER, MICHAEL BERNARD	Carisbrooke, Albany Crescent, Claygate, Surrey.
1911.	HURNER, RUDOLPH	3 Highbury Quadrant, N.

1912.	{ILLINGWORTH, HOWARD SEY-}	Bramley, Basingstoke.
1913.	INGLEFIELD, Lieut. AUBREY FITZMAURICE, R.N	Brasenose Club, Manchester.
1910.	INGOLDBY, ERIC	The Bank House, Newnham, Glos.
1912.	{IRELAND, ARTHUR JAMES} THOMAS	14 Winthorpe Road, Putney, S.W.
1913. 1909.	ISSELS, HENRY GORDON IVEY, STEPHEN FRANK	P.O. Box 74, Bulawayo, Rhodesia. Ivydene, New Town, Colchester.

1912,	JACKSON, CHARLES LAURENCE HAMILTON	15 Melrose Road, West Hill, S.W.
1910.	Jackson, Harry Yule Vivian	{27 East Avenue, Burnage Lane, Levenshulme, Manchester.
1914.	Jackson, Herbert John	27 East Avenue, Burnage Lane, Levenshulme, Manchester.
1908.	JAMES, ERNEST FREDERICK	1 Rusham Rd., Balham, S.W.
1910.	JENKINS, DAVID WALTER	87 Union Ave., Montreal, Canada.
1915.	Jennings, Mark	5 Chequer Square, Bury St. Ed- mund's.
1909.	JOCKEL, LAURET MARSHALL	Government Electric Lighting Dept., Valetta, Malta.
1910.	JOHNS, JOHN DATE	57 Queen's Rd., Wimbledon, S.W.
1913.	JOHNSON, GILBERT KING	15 Dane John, Canterbury.
1913.	JOHNSON, STANLEY BARKER	Gas Works, Colombo, Ceylon.
1913.	Jones, Charles Harold	Edmond House, Edmond Road, Saltley, Birmingham.
1911.	JONES, GEORGE BISHOP	20 St. Paul's Road, Coventry.
1914.	Jones, George Sydney	60 Howard Road, Walthamstow, N.E.
1913.	Jones, Gwynne Corbett	10 Loraine Mansions, Widdenham Road, N.
1911.	JONES, JOHN MAXWELL	31 South Street, Greenwich, S.E.
1891.	JORDAN, FREDERIC WILLIAM	51 Selwyn Ave., Richmond, Surrey.
1913.	JORDAN, HERBERT MALCOLM	29 Brook Street, Luton.
1912.	JUNNER, GORDON MACKENZIE	Birdhurst Lodge, South Croydon.

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48	GRADUA	res.
ate of Electic	on.	
1910. 1912.	Karn, Raymond Edward Kempe, Irwin Trevanion	St. Martin's, Long Ashton, Bristol.
1908.	KING, STEPHEN HOLMES	Segghawe, Holly Park Gardens, Finchley, N.
1907. 1914. 1911.	KINGSBURY, HAROLD KIRBY, HAROLD LEPINE KNIGHT, ROY ENGLEHEART	Burton Dassett, Herne Hill, S.E. 30 Oakdale Road, Streatham, S.W.
1908.	LAIDLER, CHARLES REMFRY	Messrs. Babcock & Wilcox, Calle Ventura de la Vega 1, Madrid.
1911.	LAITY, WILLIAM HARVEY	Penpoll House, Devoran, Cornwall.
1912.	LAMPORT, EDWARD JOHN	The Acacias, 2 Coleraine Road, Blackheath, S.E.
1912. 1911.	Lancaster, John Stuart Lapworth, Francis James	Brookfield, Chesterfield. 129 Queen's Gate, Bolton.
1911.	LASCELLES, THOMAS SPOONER	21 Glasgow Street, Hillhead, Glasgow.
1912.	LATHAM, PERCY BARKLEY	Wedgwood, Crewe.
1908.	LAWRENCE, LAWRENCE ERNEST	General, E.C.
1912.	LAWTON, HERBERT A	139 Ratcliffe Road, Loughborough.
1914.	LEA, HARRY WALTER	Park View, 78 Peelhouse Lane, Widnes.
1908.	Ledwick, George, Jun	Sendayan Rubber Estate, Port Dickson, Negri Sembilan, F.M.S.
1910.	LEE, HOE THYE	Lumpur, Selangor, F.M.S.
1913.	Legg, Oscar Stevens	(Eagle Whari Rd., N.
1911.	Leigh, Harold	Vincent Lodge, 333 Norwood Rd., S.E.
1913.	LESTER, NORMAN HARRINGTON	Castledene, 29 North End Avenue, Portsmouth.
1886.	LEWIS, WILLIAM THOMAS WATKIN	A: M A O. I.I J. Downwhle
1915.	LIGHT, RAYMOND ERNEST	12 City Road, Winchester.
1912. 1912.	LINLEY, PERCY	
1911.	LLOYD, THOMAS BUTLER	(Lieut. R.N.V.R.), Windham Club,
1913.	LLOYD-EVANS, BERNARD JOHN	St. James's Square, W. 20 Burton Street, Loughborough.
1913.	LOCKER, THOMAS CECIL	12 Salisbury Street, Warrington.
1916.	Loggie, Purves Primrose	(Rolyndoro Talbot Hill Bournes
1914.	LOVELL, GEORGE WORTLEY	mouth.
1910.	LUCAS, FREDERICK WILLIAM	(Durganitam Tim, D. 11.
1913.	LUDLOW, WILFRID ARTHUE	South View, Hewitt Rd., North End, Portsmouth.
1907.	McCallum, Percy	Loco. Dept., Midland Rly., Sheffield.
1914.	McCarthy, Gerald Neil .	19 Bedford Road, East Finchley, N.

	· GILLE CHELL	
Date of Election	on.	
1915. 1912. 1915. 1908.	McClunan, Eric	1 Dunlop Street, Lincoln. 56A Queen's Road, Battersea, S.W. 148 Great Western Road, Aberdeen. Lochbuie, Harrogate.
1912.	McQuaigue, Frederick Er-	77 Harrington Road, South Norwood, S.E.
1907.	MAITLAND, EDWARD BELLASIS WIGHTMAN	Ormiston, Ashteau, Epsom.
1912.	Maize, William James	32 Whitmore Street, Whittlesey, Peterborough.
1914.	MALLETT, CLAUD	24 The Broadway, Wimbledon, S.W.
1912.	MANGNALL, ARTHUR RIVING-	18 Shrewsbury Road, Bolton.
1913.	Manning, George Alfred	50 Buckingham Road, Brighton.
1914.	MARSDEN, JAMES	1 Melfort Avenue, Thornton Heath, Surrey.
1911.	Marsh, Ernest Huram	The Brooklands, Forest Road, Loughborough.
1915.	MATHER, RAYMOND ALEXIS	38 Bramblebury Road, Plumstead, S.E.
1913.	MAUL, GERALD BROUGHTON	44 Paulton Square, Chelsea, S.W.
1913.	Maunsell, Robert George Frederick	Amberd, Dean Park, Bournemouth.
1913.	MAYERS, ERIC WILLIAM	159 Holden Road, North Finch- ley, N.
1912. 1910.	Mellanby, Thomas Graham Mercer, Ivor Edwin	Hartburn, Stockton-on-Tees. The Cedars, Kent Road, Gravesend.
1911.	MEYJES, ANTHONY CHARLES DOBIAN	(Thornhyrst, The Woodlands, Ger- rard's Cross, Bucks.
G 1908.	MILLER, LEONARD CHALLINOR MINTY, ALEXANDER	14 Carlton Road, Brockley, S.E. Lochnagar, Alexandra Rd., Ipswich.
1915.	MITCHELL, REGINALD JOSEPH	Victoria Cottage, Normacot, Stoke- on-Trent.
1914.	MOHANNA, MOHAMED ALI	186 Hammersmith Road, W.
1911.	{Moharram, Mohammad Abd} EL Latif, B.Sc	Helouan, Egypt.
1913.	Montagu, Ainsley Marshall Rendall	(c/o Messrs. King, King & Co., Bombay.
1912.	MOORE, JOHN LESLIE MAC-	The Precincts, Canterbury.
1911.	MORFEY, FREDERICK HENRY	12 Cobbold Street, Ipswich.
1912.	Morris, John Turner	Hillcrest, 88 Fitzjohn's Avenue, Hampstead, N.W.
1914.	Morris, Sydney James	Bynam Cottage, High Walls, Dinas Powis, Cardiff.
1909.	MOTT, REGINALD JOHN	24 Selborne Road, Ilford.
1910.	Mounib, EL Saved Mohammed	21 Bolingbroke Road, West Kensington, W.
1913.	MURCIANO, RAFAEL MANUEL	Hartzenbusch 15-17 seg°, Madrid, Spain.

1911.	NAYLOB, Eng. Sub-Lieut. THOMAS MARTIN, R.N.	(c/o E. B. Naylor, Eversleigh, Gathurst, Wigan.
1912.		19 Woodside Place Vine Church
1912.	NELL, WALTER ARCHIBALD	Raymead, Louth, Lines.

1916.

-	-		(Dedetone Churchham Deed Cineat
191	2.	NICHOLL, HARRY WYNNE	Redstone, Shrubbery Road, Streat- ham, S.W.
191	3.	Norris, John Wilson	(18 Allfarthing Lane, Wandsworth, S.W.
191	2.	NORRISH, GUY RALPH	Hawley House, Tudor Road, Upper Norwood, S.E.
190	7.	Norwood, Charles Roland	23 Heathfield Terrace, Chiswick, W.
191	3.	NOSRAT, MOSTAFA RADWAN	Encha Street, Cairo, Egypt.
191	0.	Oakley, Harry William	15 Highbury Terrace, Highbury, N.
190	9.	O'BRIEN, GEORGE HOLME, B.Sc	Lloyd's Bank Bldgs., Corner of King St. & Cross St., Manchester.
191	3.	ODELL, ROY FOSTER	Heatherstone, 147 Denmark Hill, S.E.
191	2.	OKEY, WILLIAM EWART	9 Dene Wood Road, Bournemouth. (Killed in action, Jan. 1916.)
191	2.	Ormrod, Alfred Smithells	Loco. Dept., Lancs. and Yorks. Rly., Horwich, Lancs.
188	3.	OSBORN, WILLIAM FAWCETT	Clyde Steel and Iron Works, Shef- field.
191	3.	Ossorio, Jesús José	(Rizal Cement Co., Binangonan, Rizal, Philippine Islands.
191	5.	OWEN, SIDNEY	25 Court Road, Barry Dock, Glam.
191	2.	Paddock, William George	(Holmwood, 146 Wightman Road,
191 191		Paddock, William George Paget, Sub-Lieut. Ferrand, R.N	Hornsey, N. H.M.M.B. 52, H.M.S. "Satellite," North Shields.
	.3.	PAGET, Sub-Lieut. FERRAND,	Hornsey, N. (H.M.M.B. 52, H.M.S. "Satellite," North Shields. (Beverley, Lyttelton Road, Edgbas-
191 191 191	.3. 1. 4.	PAGET, Sub-Lieut. FERRAND, R.N. PAIN, JOHN PAINTER, LESLIE EDMUND	Hornsey, N. (H.M.M.B. 52, H.M.S. "Satellite," North Shields. (Beverley, Lyttelton Road, Edgbaston, Birmingham. Cranford, 8 Coombe Road, Croydon.
191 191 191	.3. 1. 4. .5.	PAGET, Sub-Lieut. FERRAND, R.N PAIN, JOHN PAINTEB, LESLIE EDMUND PARKER, LAWRENCE GEORGE	Hornsey, N. (H.M.M.B. 52, H.M.S. "Satellite," North Shields. (Beverley, Lyttelton Road, Edgbaston, Birmingham. Cranford, 8 Coombe Road, Croydon, 21 Thurleigh Road, Balham, S.W.
191 191 191 191	3. 1. 4. 5.	PAGET, Sub-Lieut. FERRAND, R.N	Hornsey, N. H.M.M.B. 52, H.M.S. "Satellite," North Shields. (Beverley, Lyttelton Road, Edgbaston, Birmingham. Cranford, 8 Coombe Road, Croydon, 21 Thurleigh Road, Balham, S.W. 151 Rosendale Road, Dulwich, S.E.
191 191 191	3. 1. 4. 5.	PAGET, Sub-Lieut. FERRAND, R.N PAIN, JOHN PAINTEB, LESLIE EDMUND PARKER, LAWRENCE GEORGE	Hornsey, N. H.M.M.B. 52, H.M.S. "Satellite," North Shields, Beverley, Lyttelton Road, Edgbaston, Birmingham. Cranford, 8 Coombe Road, Croydon, 21 Thurleigh Road, Balham, S.W. 151 Rosendale Road, Dulwich, S.E. City Gas Works, Nechells, Birmingham.
191 191 191 191	3. 1. 4. 5. 1.	PAGET, Sub-Lieut. FERRAND, R.N	Hornsey, N. H.M.M.B. 52, H.M.S. "Satellite," North Shields. (Beverley, Lyttelton Road, Edgbaston, Birmingham. Cranford, 8 Coombe Road, Croydon, 21 Thurleigh Road, Balham, S.W. 151 Rosendale Road, Dulwich, S.E. (City Gas Works, Nechells, Birmingham.) (Lieut.) Machine Gun Co., Headquarters, 58th Brigade, British
191 191 191 191 191	3. 1. 4. 5. 1.	Paget, Sub-Lieut. Ferrand, R.N. Pain, John Paintee, Leslie Edmund Parker, Lawrence George Parback, Leonard Parsons, Beresford Frank Parsons, Cyril Gordon Partington, James Sut-	Hornsey, N. (H.M.M.B. 52, H.M.S. "Satellite," North Shields. (Beverley, Lyttelton Road, Edgbaston, Birmingham. Cranford, 8 Coombe Road, Croydon. 21 Thurleigh Road, Balham, S.W. (151 Rosendale Road, Dulwich, S.E. (City Gas Works, Nechells, Birmingham. (Lieut.) Machine Gun Co., Headquarters, 58th Brigade, British Expeditionary Force. (Technical Institute, Durban,
191 191 191 191 191 191	3. 1. 4. 5. 1. 3.	PAGET, Sub-Lieut. FERRAND, R.N PAIN, JOHN PAINTEE, LESLIE EDMUND PARKER, LAWRENCE GEORGE PARRACK, LEONARD PARSONS, BERESFORD FRANK PARSONS, CYRIL GORDON PARTINGTON, JAMES SUT- CLIFFE PARTRIDGE, CHARLES FREDER-	Hornsey, N. H.M.M.B. 52, H.M.S. "Satellite," North Shields. (Beverley, Lyttelton Road, Edgbaston, Birmingham. Cranford, 8 Coombe Road, Croydon. 21 Thurleigh Road, Balham, S.W. (151 Rosendale Road, Dulwich, S.E. (City Gas Works, Nechells, Birmingham. (Lieut.) Machine Gun Co., Headquarters, 58th Brigade, British Expeditionary Force. (Technical Institute, Durban, Natal.
191 191 191 191 191 191	3. 1. 4. 5. 1. 3. 3.	Paget, Sub-Lieut. Ferrand, R.N Pain, John Painter, Leslie Edmund Parrer, Lawrence George Parrack, Leonard Parsons, Beresford Frank Parsons, Cyril Gordon Partington, James Sut- Cliffe	Hornsey, N. (H.M.M.B. 52, H.M.S. "Satellite," North Shields. (Beverley, Lyttelton Road, Edgbaston, Birmingham. Cranford, 8 Coombe Road, Croydon. 21 Thurleigh Road, Balham, S.W. (151 Rosendale Road, Dulwich, S.E. (City Gas Works, Nechells, Birmingham. (Lieut.) Machine Gun Co., Headquarters, 58th Brigade, British Expeditionary Force. (Technical Institute, Durban, Natal.
191 191 191 191 191 191 191	3. 1. 4. 5. 1. 3. 3.	PAGET, Sub-Lieut. FERRAND, R.N. PAIN, JOHN PAINTER, LESLIE EDMUND PARKER, LAWRENCE GEORGE PARBACK, LEONARD PARSONS, BERESFORD FRANK PARSONS, CYRLL GORDON PARTINGTON, JAMES SUT- CLIFFE PAETRIDGE, CHARLES FREDER- ICK	Hornsey, N. H.M.M.B. 52, H.M.S. "Satellite," North Shields. Beverley, Lyttelton Road, Edgbaston, Birmingham. Cranford, 8 Coombe Road, Croydon. 21 Thurleigh Road, Balham, S.W. 151 Rosendale Road, Dulwich, S.E. (City Gas Works, Nechells, Birmingham. (Lieut.) Machine Gun Co., Headquarters, 58th Brigade, British Expeditionary Force. Technical Institute, Durban, Natal. 48 Trinity Street, Old Hill, Staffs. Canmore, Alberta, Canada. Loco. Dept., G. N. Rly., New
191 191 191 191 191 191 191 191	3. 1. 4. 5. 11. 3. 3. 12.	PAGET, Sub-Lieut. FERRAND, R.N. PAIN, JOHN PAINTEE, LESLIE EDMUND PARKER, LAWRENCE GEORGE PARRACK, LEONARD PARSONS, BERESFORD FRANK PARSONS, CYRIL GORDON PARTINGTON, JAMES SUT- CLIFFE PARTRIDGE, CHARLES FREDER- ICK PEARSON, VERNON	Hornsey, N. H.M.M.B. 52, H.M.S. "Satellite," North Shields. Beverley, Lyttelton Road, Edgbaston, Birmingham. Cranford, 8 Coombe Road, Croydon. 21 Thurleigh Road, Balham, S.W. 151 Rosendale Road, Dulwich, S.E. City Gas Works, Nechells, Birmingham. (Lieut.) Machine Gun Co., Headquarters, 58th Brigade, British Expeditionary Force. Technical Institute, Durban, Natal. 48 Trinity Street, Old Hill, Staffs. Canmore, Alberta, Canada. Loco. Dept., G. N. Rly., New England, Peterborough. The Cuba Co., Jatibonico, Cuba.
191 191 191 191 191 191 191 190 190	3. 1. 4. 5. 1. 3. 3. 12. 13. 108.	PAGET, Sub-Lieut. FERRAND, R.N. PAIN, JOHN PAINTEE, LESLIE EDMUND PARKER, LAWRENCE GEORGE PARRACK, LEONARD PARSONS, BERESFORD FRANK PARSONS, CYRIL GORDON PARTINGTON, JAMES SUT- CLIFFE ICK PARTRIDGE, CHARLES FREDER- ICK PEARSON, VERNON PEPPERCORN, ARTHUR HENRY	Hornsey, N. H.M.M.B. 52, H.M.S. "Satellite," North Shields. Beverley, Lyttelton Road, Edgbaston, Birmingham. Cranford, 8 Coombe Road, Croydon, 21 Thurleigh Road, Balham, S.W. 151 Rosendale Road, Dulwich, S.E. (City Gas Works, Nechells, Birmingham. (Lieut.) Machine Gun Co., Headquarters, 58th Brigade, British Expeditionary Force. Technical Institute, Durban, Natal. 48 Trinity Street, Old Hill, Staffs. Canmore, Alberta, Canada. (Loco. Dept., G. N. Rly., New England, Peterborough.

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Date	of Election	n.	
	-		(27 Pilgrim St., Newcastle-on-Tyne.
	1884.	PHILIPSON, WILLIAM	{ [Carriage, Newcastle-on-Tyne, 1641.]
	1915.	PILE, WILLIAM DEVEREUX	§25 Blackhorse Lane, Walthamstow, N.E.
Œ	1912.	PITT, ROBERT BRINDLEY	3 Lansdown Grove, Bath.
	1910.	Pockels, William Henri August Francis	Obras del Nuevo Puerto de la Capital, Prolongacion Calle San Martin—Darsena Norte, Buenos Aires, Arg. Rep.
	1906.	POLLARD, HUGH BERTIE CAMPBELL	Messrs. James Gibbons, Hand Grenade Works, Nelson Street, Wolverhampton.
	1911.	POTTER, JOHN ARCHIE	The Cottage, Forest Road, Loughborough.
ع	1915.	POUNDER, CUTHBERT COULSON	11 Salisbury Avenue, Colchester.
	1912.	Power, Walter	Kilkivan, Urmson Road, Liscard, Birkenhead.
	1912.	PREEDY, CHARLES HAROLD	Messrs. Osborne & Chappel, Ipoh, Perak, F.M.S.
	1912.	PRENTIS, ERIC FRANCIS	Damansara Estate, Selangor, F.M.S.
	1910.	PRESTON, FRANCIS HEADLEY	Avenue House, Kettering.
	1914.	PRESTON, PETER LIONEL	Cliffe Hill Quarry, Markfield,
	1909.	PRYCE, WILFRED HARRY	73 Marlborough Mansions, West Hampstead, N.W.
	1912.	READ, ALFRED HOWARD	Oak Lea, St. Andrew's Road, Birkenhead.
	1915.	REDDICK, RICHARD FAITHFUL	62 Wood Street, Woolwich, S.E.
	1912.	REEVES, BERNARD JACK	Ribblesdale, Freta Road, Bexley Heath, Kent.
	1913.	Reid, Francis Heine	7 Wolsdon Street, Plymouth.
	1911.	REITH, JOHN CHARLES WALS-	37 Lynedoch Street, Glasgow.
	1911. 1884.	RENDELL, SAMUEL HUBERT REYNOLDS, THOMAS BLAIR	158 Monks Road, Lincoln. 10 Tor Gardens, Campden Hill, W.
	1912.	REYNOLDS, WILLIAM ARTHUR	(Hillcrest, Welbeck Avenue, High- field, Southampton.
	1915. 1914.	RICHARDSON, OSWALD EDWARD RIGBY, CHARLES JOHN	40 Pitfield Street, N. Chadwell St. Mary, Grays, Essex.
	1912.	RILEY, THOMAS SHARP	Mina de San Domingos, Mertola, Portugal.
	1912.	ROBB, HAROLD BRINDLEY	31 Wontner Road, Upper Tooting, S.W.
	1911. 1912.	ROBERTS, GEORGE, Jun	Bengeo, Hertford. 17 Morley Road, Lewisham, S.E.
	1912.	ROBERTSON, CYRIL ERNEST	Messrs. Crompton & Co., Arc Works, Chelmsford.
	1914.	ROBERTSON, ROBERT SERGIUS	3 Rosehall Terrace, Falkirk.
	1911.	ROBERTSON, VERNON ALEC	Engineering Wks. Dept., S. E. & C. Ry., 84 Tooley St., S.E.
	1909.	ROBINSON, CYRIL ELLETT	293 Willesden Lane, Willesden
	1913.	ROBINSON, ERIC ARTHUR	Green, N.W. 51 Derrington Avenue, Crewe.

1916.

-		
		(Sapper, No. 767), Depôt Coy., R.N.D. Eng. Unit., Walmer, Kent.
1912.	ROBINSON, ISAAC VINCENT	R.N.D. Eng. Unit., Walmer,
	· · · · · · · · · · · · · · · · · · ·	Kent.
1912.	ROBINSON, MATTHEW DOLTON	Mere Bank, Fairfield, Manchester.
1912.	ROGERS, HORACE EDWIN	78 Tremadoc Road, Clapham, S.W.
1913.	ROGERS, LESLIE NORRIS	54 Holyhead Road, Handsworth,
1910.	TOGERS, LESLIE HORRIS	Birmingham.
4010	D D .	(Loco, Dept., S. Indian Rly., Nega-
1913.	Rose, Bernard Alfred	Loco. Dept., S. Indian Rly., Negapatam, S. India.
1909.	Rose, Frederick Charles	
1303.	ROSE, PREDERICK CHARLES	Ham Farm, Loddiswell, Devon.
1909.	Rose, Nathaniel	Messrs. G. Davenport & Co.,
2000.	Tooli, Tallianing	101-3-5 Clerkenwell Rd., E.C.
1010	Dans II	(Malvern, 61 Calton Road, North
1910.	Ross, Harold Arthur	Dulwich, S.E.
		Boar Green House, St. Mary's
1011	Dana Dana T	
1911.	Ross, Percy James Paviour	Road, Moston, Newton Heath,
		Manchester.
1010	(RUFFLE, CLIFFORD FREDERICK	(30 Park Road, Westeliff-on-Sea,
1913.	SCOTT	Essex.
1888.	73.11	3 Foro Bonaparte, Milan, Italy.
1912.	RUSCOE, JACK OSMUND	Edstaston, Lynwood Road, Epsom.

1911.	SAAD-EL-DINE, ALY FOUAD	Sohag, Irrigation, Egypt.
1914.	SABET, MOHAMMED	c/o Dr. Zaiful, Alexandria, Egypt.
1911.	SALMON, MAURICE WILLIAM	Hill Brow, Spencers Wood, Reading.
1915.	SANDFORD, HORATIO ADLING-	Briars Court, West Hill, Gravesend.
1913.	SANTOS, ANTONIO VICTOR DOS	Caixa 1014, Rio de Janeiro, Brazil.
1912.	Saunders, Thomas Thornton	Inspection Dept., Royal Aircraft Factory, South Farnborough, Hants.
1914.	SCHOTT, ANDREA CHRISTOPHER HERMANN WATTS	1 Parkfield Road, Nab Wood, Shipley, Yorks.
1912.	SCOTCHER, WILLIAM GOODLIFF	80 Balfour Road, Ilford.
1910.	SCOTT, JOHN BECKETT	Cowichan Lake P.O., Vancouver Island, Brit. Columbia.
1913.	SEED, PERCY WILLIAM	Oakdene, Addison Road, Preston.
1912.	SENEVIRATNE, GANNAGODA DON IRVIN	3 Royal Terrace, Paisley.
1910.	SHARPLES, WILLIAM ELLISON	Sir W. G. Armstrong, Whitworth & Co., Openshaw, Manchester.
1913.	SHAW, FREDERICK WILLIAM	46 Lancaster Road, Rugby.
1914.	SHAW, HERMAN	5 Dartmouth Park Road, High- gate, N.W.
1914.	SHEEL, HAROLD	(c/o J. G. Sheel, 41 Carfield Avenue, Meersbrook, Sheffield.
1914.	SHEPHERD, FRANCIS JOHN	Dunvegan, Cults, Aberdeen.
1910.	SHEPPY, DOUGLAS	The Priory, Tortington, Arundel.
1910.	SHIRLEY, HENRY NORMAN	(Ranworth, Burman Road, Shirley, Birmingham.
1912.	SIDAHMED, MOHARREM SABET	Kafr-el-Cheikh, Egypt.
1911.	SIMPSON, ALFRED HENRY	The Cottage, Horsehay, Salop.

Date	of Electic	on.	
			(Lahore Divisional Signal Co., La-
	1911.	SINGER, CHARLES ARCHIBALD	hore Division, c/o India Office, Whitehall, S.W.
	1914.	SINGH, PREM	Bassali, Rawalpindi District, Punjab, India.
	1913.	SKINNER, ALEC JOSEPH	The Ferns, Woolwich Road, Abbey Wood, Kent.
	1912.	SKINNER, HAROLD VERNON	The Old Bank House, Sleaford. (2 The Uplands, Calderbank Avenue,
延	1913.	SMITH, CLARENCE HERBERT	Urmston, Manchester.
	1908. 1912.	SMITH, RANDALL BONNER	40 Tyrwhitt Road, Brockley, S.E. 22 St. Edmund's Road, Ipswich.
	1913.	SNELGROVE, EDWARD COPE-	Survey Office, Entebbe, Uganda.
	1912. 1912.	SPLITTER, BERNARD STACK, WILLIAM AUCHNLECK	26 Highbury Quadrant, N. 181 High Street, Burton-on-Trent.
	1913.	STACKARD, STEPHEN FRANK CYRIL	36 Duke's Avenue, Muswell Hill, N.
	1913.	STANBURY, LEONARD OSCAR	(2nd Lieut., A.S.C.), 48th Ammunition Sub-Park, British Expeditionary Force.
	1913.	STANLEY, CHARLES RUPERT	Bramahpootra Tea Co., Negherit- ing, Upper Assam, India.
	1914.	STANLEY, HARRY	10 Crusoe Road, Erith, Kent.
	1913.	STAPLETON, ARNOLD BAMFORD	Eppingdale, 134 Leytonstone Rd.,
	1912.	STAPYLTON-SMITH, JOHN BRYAN	10 Sea Road, Bexhill-on-Sea.
	1912.	STEELE, ROBERT McAra	Orbiston House, near Bellshill,
	1912.	STENT, ARTHUR JOHN	Drawing Office, Messrs. Rolls- Royce Ltd., Derby.
	1914.	STEPHENS, HUGH GORDON	(Private, No. 2460), 16th Middle- sex Regiment, Andover Camp, Salisbury.
	1912.	STEWART, JAMES CLEGHORN {	Logie House, Vancouver Road, Catford, S.E.
	1912.	STOCKS, JOHN ARTHUR	28 Hawthorn Terrace, Calton St., Huddersfield.
	1914.	SUMNER, JOHN WILBRAHAM	87 Abbey Rd., Barrow-in-Furness.
			c/o Mr. Martin, Market Place,
	1915.	TANNER, CHARLES	Newbury.
	1911. 1910.	TATE, THOMAS	16 St. James's Street, Brighton. 218 Orford Lane, Warrington.
	1914.	TERVET, NICHOLAS CHARLES	6 Coniston Avenue, West Jesmond, Newcastle-on-Tyne.
	1911.	THEAKSTON, FRANCIS {	c/o Messrs. Arthur Koppel, 27 Clements Lane, E.C.
	1911.	THOMPSON, HASELDEN	20 The Parade, Cardiff.
	1912. 1913.	TINDLE, STUART PIKE TOWNEND, HARRY	166 Victoria Road, Swindon. Northfield, Middleton, Manchester.
	1911.	(Townend, Roy Duncan Mor-)	Grafton House, Oundle.
	1912.	Townsend, Charles Eric	Bank House, Queen's Road, Hali-
			fax.

of Of Estection	, ii.	
1914.	TRASK, ERIC DARIEN	c/o W. Trask, Gt. Northern Hotel, King's Cross Station, N.
1910.	TREE, BENJAMIN FERGUSSON	56 Kings Road, St. Leonards-on-
1913.	TRIGLE, SIDNEY EDWARD	Sea, Sussex. Agbrigg Road, Sandal, Wakefield.
1911.	TUKER, WILLIAM EDRED SANGER	Anglo-Chilian Nitrate & Rly. Co., Tocopilla, Chile.
1913.	TUPPEN, HAROLD RICHARD, B.Sc	(Lieut., A.S.C.), 3 Corps, Head- quarters, British Expeditionary Force.
1915.	TURNER, WILLIAM HENRY	16 Midland Place, Derby.
1912.		27 St. Mark's Crescent, Regent's Park, N.W.
1909.	VEAL, JOHN MINSHULL	14 Meriden Street, Coventry.
1915.	Vanamas Cropan	§8 Orrell Road, Liscard, Wallasey,
		Cheshire. (Messrs. T. & T. Vicars, Earlestown,
1910.	Vicars, Thomas, Jun	Lancs.
1914.	Vokes, Cecil Gordon	Birch Lawn, Sholing, Southampton.
1911.	VYALL, LIONEL EGERTON	87 Union Avenue, Montreal, Canada.
1911.	WALKER, CHARLES HUGH	2 Vanbrugh Park Road West, Blackheath, S.E.
1 915.	Walker, Edwin	Clivedon, Tapton House Road, Sheffield.
1913.	WALLIS, WILLIAM JACKSON	Messrs. Williamson, Balfour & Co., Santiago, Chile.
1910.	Walters, Ernest Albert	25 Foyle Road, Westcombe Park, Blackheath, S.E.
1911.	Walton, Sydney	346 Stratford Street, Dewsbury Road, Leeds.
1909.	Warburg, Frederick Norman	4 Smyrna Mansions, West Hamp- stead, N.W.
1911.	WARD, CYRIL	Wintergartenstrasse 6111., Leipzig,
1912.	WARDLE, GEORGE EYRE	Germany. 11 Bold Square, Chester.
1914.	Watson, Arthur John	Overseas Dept., Inspection Branch, Mechanical Transport, A.S.C., Shorts Gardens, W.C.
1909,	Weir, Douglas Churchill	Rheims House, Owen Dunn Road, Chowpatti, Bombay.

1912.	Wells, George Maurice {	Asst. Loco. Supt., Eastern Bengal
	(_	State Rly., Saidpur, India. Messrs. Victor Uslaender & Co., 33
1888.	WHICHELLO, RICHARD	Rua do General Camari, Caixa 542, Rio de Janeiro, Brazil.
1913.	WHITAKER, GEORGE BACK-	Oakfield Villas, 3 Cardigan Rd., Headingley, Leeds.
1912.		33 Ormerod Rd., Burnley.
1912.	WHITAKER, LIONEL BERTIE {	Messrs. Birkmyre Bros., Hastings
1915.	WHITE, HENRY GRINSTED S	Mill, Serampore, Calcutta. 31 Chelmsford Street, Weymouth.
1910.	WHITE, PERCIVAL JAMES (Oak Villa, Brough, East Yorks.
1912.		Rosslyn, New Rd., Chatham.
1912.	WHYTE, KENNETH MCINTOSH {	23 Leslie Road, Pollokshields, Glasgow.
1913.	WIDDI, ERIO LIAWEERON	Anstey, Russell Road, Buckhurst Hill, Essex.
		(2nd Lieut.), 13th Northumberland Fusiliers, c/o Messrs. Cox & Co.,
1913.	WILKINS, FRANK TREVOR	1 Rue Cherif Pacha, Alexandria, Egypt.
1911.	WILLCOX, CHRISTOPHER WAT-	34 Hamilton Terrace, N.W.
1911.	WILLIAMS, JOHN NORMAN :	120 Cannon Street, E.C.
1915.		81 Lee Road, Blackheath, S.E.
1914.		6 Greenbank Road, Birkenhead.
1912.	WILSON, ARCHIBALD HOPE {	c/o Wm. Campbell Wilson, Ellerby, Thetford.
1912.	Wilson, John	Forest Cottage, Wheatley, Halifax.
1911.		107 Stanford Avenue, Brighton.
1913.		c/o H. Alston, 69 Cornhill, E.C. Shepperton House, 68 Lee Rd.,
1910.	WOLSEY, GEORGE	Blackheath, S.E. 2 Cresswell Terrace, White Horse
1912.	Womersley, William Dobson {	Hill, Lightcliffe, Halifax.
1910.		Priory Lodge, Lewes.
1913.		10St. Catherine's Place, Edinburgh.
1912.		Low Moor Iron Works, Bradford. Newlyn, 25 Nithsdale Road,
1912.	Woodward, Ralph {	Weston-super-Mare.
1911.	Wright, Arthur John {	East Meon, 6 Pellhurst Road, Ryde.
1914.	YORK, JOHN DUNCOMB	18 Regent Square, Doncaster.
1913.	Young, Charles Albert {	Ravensworth, Southend Avenue, Darlington.
1911.	Young, Thomas Kenneth {	Wood View, Furze Lane, Purley, Surrey.

TOPOGRAPHICAL LIST OF MEMBERS.

BRITISH ISLES. ENGLAND.

Abbey Wood-	Barnet-		Batley-'	
Fletcher, A. S. B. A.M.	Bancroft, F. J.	M.	Jones, S. D.	A.M
Forward, P. G. G.	Coyle, J. W.	A.M.		A.M
Skinner, A. J. G.	Hansford, J. B.	A.M.	Battle-	
	Shann, W. R.	A.M.	Ticehurst, J. W.	A.M
Addlestone-	Smyth, J. M.	A.M.	Beccles-	
Lidbetter, C. F. A.M.	,,		Robinson, A. S. F.	M
	Barnsley-			761
Aldershot—	Armstrong, P. T.	A.M.	Bedford-	
Donohue, Colonel W. E.	Woods, H. F. G.	A.M.	Allen, H. G.	M
M.			Allen, R. W.	M
	Barnstaple-		Allen, W. H.	M
Alfreton-	Colbourne, T. S.	A.M.	Anderson, S. D.	G
Bingham, J. H. G.	Lefroy, C. E.	A.M.	Bocquet, H. C.	M
	,		Carmichael, A.	M
Andover-	Barrow-in-Furness	-	Fiegehen, E. G.	A.M
Blane, W. M.	Banister, G. H.	M.	Hitchcock, G. E. W.	G
Moore, J. M.	Caswell, C. H.	G.	Horn, B.	A.M
Stringer, P. A.M.	McKechnie, J.	M.	Howard, E. J.	A.M
,	Minshull, J. W.	A.M.	Howard, G.	G
Arundel-	Newlands, A. H.	A.M.	Howard, J. H.	M
	Oughterson, G. H.	A.M.		A.M
Sheppy, D. G.	Parker, R.	A.M.	Nielsen, J. P. C.	M
	Pettigrew, W. F.	M.		A.M
Ascot-	Scott, G. H.	A.M.	Rayner, H.	A.M
Westmacott, P. G. B. M.	Sharples, E.	M.		A.M
	Smith, Eng. Comm	1.	Roose, F. O. J.	M
Ashford, Kent-	W. A. P.	M.		A.M
Boultbee, H. A. A.M.	Sumner, J. W.	G.	Trunchion, W. T. F.	M
Masterton, J. F M.	Thackeray, T.	M.	Wyatt, A. J. H.	A.M
Maunsell, R. E. L. M.	Thompson, R. F. S.		Belvedere-	
Sands, H. M.	Vial, H. F.	A.M.		A.M
Stirling, J. M.	Da ele estate		Homewood, J. B.	G
Zuring, v.	Basingstoke-	4 75	Walker, P.	M
Ashton-under-Lyne-	Barford, V. G.	A.M.	Bembridge-	
Bickerton, H. N. M.	Illingworth, H. S.	G.	Everitt, N. H.	M
Cartwright, W. Jun. A.M.	Baslow-		Mackenzie, K. R.	A
Mohn, T. A.M.	Ferranti, S. Z. de	M.		2.5
Prescott, K. S. A.M.	Formun, G. 2. de	TATE .	Berkhamsted—	
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Powerwine W H	A.M.	Dewhirst, J.	A.M.	Clevedon-	
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Riley, F.	A.M.			1 y 0, 0. 11.	21,411.
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Jenkins, W. L.	A.M.	Filliout, G. H.	A.M.		
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Shaw, W. C.	A.M.	The same to a Tar			A.M.
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Rowe, J.	A.M.	Roberts, P. R.	A.M.	Paxman, J. N.	TAT .
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Blaikia I N	A.M.	-,		Wright, J. W. E. G.	A.M.
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Cannock—		Smoles T	M.	Coulsdon—	
		omeros, 1.		Coursaon	
Chandler, N.	M.	Smales, T. Wilson, P. H.	A.M.	Wilms, L. H.	M.

Coventry— Allan, J. E					
COVERILITY		Dagenham-		Devizes-	
	. G.	Ingle, H. E.	A.M.	Connell, W. P.	A.M
Bonnott A	LE. M.	Williams A T	M.	Connen, w. r.	Auth
Bennett, A Bramley, S Budge, J. Bullock, W	L. E. M.	Williams, A. E.		Devonport-	
Bramley,	г. в. м.	Woodhouse, N.	A.M.		A.M.
Budge, J.	A.M.	_		Dodridge, F.	A.M.
Bullock, W	V. E. M.	Darlington-		Damanan	
Clark, H. (C. A.M.	Carrick, J. E. C.	A.M.	Devoran-	~
Clayton I	M.	Contos A	M.	Laity, W. H.	G.
Clayton, J.		Coates, A.		Visick, C.	A.M.
Craig, A.	М.	Handy, C. E. Hill, S. F.	A.M.		
Dawson, T	. A.M.	Hill, S. F.	A.M.	Dewshury-	
Gibbs, G. I	I. A.M.	Leggat, J. McVittie, M. J.	A.M.	Dewsbury— Atkinson, R. C.	A.M.
Harmer, C		McVittie M I	A.M.	Canadam C II	
Herbert, A	. М.	Powell, W. H. H.	M.	Sowden, G. H.	A.M.
Tillaneth 1	77 4 75	Ctamer A. C.		Damasatan	
Hildreth, V Jones, G. I Lea, R. H. Lee, H. P.	W. A. M.	Stamer, A. C.	M.	Doncaster-	
Jones, G. I	3. G.	Warren, J. G. H.	$\mathbf{M}.$	Bazin, J. R.	A.M.
Lea, R. H.	M.	Warren, J. G. H. Wilson, D. E.	A.M.	Bazin, J. R. Bulleid, O. V. P.	A.M.
Lee H. P	A.M.	Young, C. A.	G.	Carr, R. S.	G.
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Martin, P.	M.	Doubland		Engert, F. P.	A.M.
Meek, J.	M.	Dartford-		Gresley, H. N. Groom, I. S. W.	M.
Milburn, J. Napier, J. Perkins, A. Pugh, C. V. Pugh, J. V. Riley, W. Searle, F.	М.	Banks, H. W. Brier, H.	A.M.	Groom, I. S. W.	A.M.
Napier, J.	S. M.	Brier, H.	M.	Harrison, R. C.	G.
Perkins A	W. A.M.	Guthrie, A. G.	A.M.	Murrow A	A.M.
Duch C V	3.	Horkoth F	M.	Murray, A. Parker, J. H.	M
Fugit, C. V.	м.	Hesketh, E.		rarker, J. H.	M.
Pugn, J. V.	M.	Hodsdon, G. C.	M.	Phillips, G. W.	A.M.
Riley, W.	A.M.	Pratten, F. E.	M.	Webster, F. J. York, J. D.	M.
Searle, F.	M.	Webb, G. W. C.	A.M.	York, J. D.	G.
Smith, U. V	7. A.M.			York, R. S.	A.M.
Standb II	4 21.111.	Dantmanth		101 K, 16, 19,	ALIME.
Sturch, H.	A. A.M.	Dartmouth-	4 35	Dorchester-	
Veal, J. M.	G.	McCrie, B.	A.M.	De Mattos, J. H.	M.
Vernon, P.	V. M.	Sautter, J. J.	M.		A B.F.
Whitehead	T. R. M.			Stewart, C. E.	A.M.
	1 21 201	Darwen-		Daniel and	
C			M.	Dorking-	~
Cowes-		MacIvor, A.	Att.	Cousin, A. N.	G.
Forster, A.	M.	The colour		Scott, F. W.	A.M.
Hill, S. B.	G.	Derby-	~		
Wright, H.		Abraham, F. W.	G.	Douglas-	
	1. 11.111.	Acfield, W. C.	M.	Blaker, W. H.	A.M.
		Acfield, W. C. Aiton, J. A.	M.	Schottler C A	A.M.
Cradley Hea	th—	Atherton, W. H.	M.	Schettler, G. A. Whyte, A. L.	A 3.5
Cowdell, H		Dain D	M.	whyte, A. L.	A.M.
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		Bater, K. C. Bell, F.	G.	Dover-	~
Crayford-		Bell, F.	A.M.	Davison, W.	G.
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Bettany, J.	r. M.	Bell J. F.	м.	DOWIS, C. S.	M.
Bettany, J.	F. M.	Bell, J. F.	M.	Downs, C. S.	M.
Bettany, J.	A. A.M.	Cantrill, W. L.	M.	Penn, W.	M.
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Bettany, J. Heath, G. Meath, G. Meat	A. A.M. W. M.	Cantrill, W. L. Caton, W. E. Conradi, C. G.	M. A.M. A.M.	Penn, W. Thomas, L. W. Webb-Bowen, H.	M. M.
Bettany, J.	A. A.M. W. M.	Cantrill, W. L. Caton, W. E. Conradi, C. G. Domleo, R. F.	M. A.M. A.M. G.	Penn, W. Thomas, L. W. Webb-Bowen, H.	M. M.
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Bettany, J. Heath, G. J. Heath, G. J. Crewe— Cooke, C. J. Eaton-Sho	A. A.M. M. M. M. M. re. G. M.	Cantrill, W. L. Caton, W. E. Conradi, C. G. Domleo, R. F.	M. A.M. G. M. A.M.	Penn, W. Thomas, L. W. Webb-Bowen, H. Dudley— Fletcher, J. E.	M. M. E. A.M.
Bettany, J. Heath, G. J. Heath, G. J. Crewe— Cooke, C. J. Eaton-Sho	A. A.M. M. M. M. M. re. G. M.	Cantrill, W. L. Caton, W. E. Conradi, C. G. Domleo, R. F. Fowler, H. Geach, L. C. Goodchild, W. C.	M. A.M. G. M. A.M.	Penn, W. Thomas, L. W. Webb-Bowen, H. Dudley— Fletcher, J. E. Green, H.	E. A.M. M.
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Bennis, A. W. Broughton, F.	M. A.M.	Loxdale, J. J. H.	A.M.	Bellamy, A. R. Emerson, W. A. I.	A.M. M.
Ewing, Sir J. A.	M.	Faversham— Bolton, H.	A.M.	James, C. Roberts, D.	M.
Edgware— Chapman, H. W.	A.M.	Semark, C. H.	A.M.	Gravesend-	4 3/
Havilland, G. de	A.M.	Felsted-		Glenday, C. Goodyear, W. Mercer, I. E.	A.M. M.
Pettit, W. R.	M.	Morgan, D. H.	A.M.	Mercer, I. E. Muirhead, R.	. G. M.
Elland— Broadhead, J. W.	M.	Fence Houses-	3.6	Sandford, H.	M.
Lumb, L.	A.M.	Jackson, J. W. Tulip, S.	M. M.	Sandford, H. A. Taylor, C. P.	G. M.
Enfield— Carnegie F	M.	Fleetwood-		Wright, R. O.	A.M.
Carnegie, F. Forsyth, W. J. Hunt, H. F.	G.	Boyd, H.	A.M.	Grays-	
Stockton, C.	G. M.	Foster, S. Robertson, H. L.	A.M.	Rigby, C. J. Sumner, A. W.	G. A.M.
Thom, J. Tresham, L. D.	A.M.	Robertson, J. A.	A.M.	Great Malvern-	
Epsom—	A.M.	Folkestone— Eborall, C. W.	M.	Stephenson-Peach	ı,
Fraser, S. R. C.	A.M.	Hesketh, T.	A.M.	W. J.	M.
Maitland, E. B. W. Ruscoe, J. O.	G. G.	Nichols, A. E.	A.M.	Great Missenden-	4 35
Erith-		Freshwater, I.W Graham, M.	- м.	Bird, P. A.	A.M.
Fox, C. W. Howard, P.	G. A.M.	Frome-	DI.	Great Yarmouth— Back, W. H.	M.
May, C. R.	M.	Beare, H. H.	M.	Beeching, E. Pertwee, H. A.	A.M.
May, C. R. Midgley, H. E. Neagle, W.	A.M.	Gainsborough-		Pertwee, H. A.	M.
Paterson, R. T.	A.M.	Cribb, F. J. Gurnhill, J. B.	M. G.	Grimsby-	4.75
Stanley, H. Ticehurst, H. G.	G. M.	Irwin-Packington	, P.	Brotherton, E. Cooper, J. L. H. Mein, J. H.	A.M.
Esher-		Lee, J. J.	A.M.	Mein, J. H.	A.M. M.
Hunter, M. B.	G.	Marshall, H. D.	M.	Rodger, J. A. Wood, W. J.	M.
Evesham— Munyard, A. W.	A.M.	Marshall, H. J. Marshall, J.	М. М.	Woodger, P. B.	A.M.
Ewell-		Newell. É. Waite, W. V.	M. A.M.	Guildford— Charnock, J. E.	A.M.
Davey, H.	M.	Gateshead-		Child, P. D.	A.M.
Exeter— Clapham. F. T.	M.	Anderson, W. J.	M.	Crow, S. H. Gray, A.	A.M.
Griffiths, R. S.	A.M.	Baister, C. Jackson, A.	M. M.	Harrison, E. Y.	A.M.
Hodges, M. H. Ingram, S.	M. M.	Kerr, R. P.	A.M.	Lloyd, W. E.	A.M.
Rew, R. J. Simpson, S.	A.M.	Mackley, E. N. Pitt, R. W.	A.M.	Halifax— Bentley, H.	G.
Toms, R.	A.M.	Twinberrow, J. D. Walker, H.	M. M.	Bentley, W. Benyon, G. A.	A.M.
Exmouth—	A M	Woodeson, W. A.	M.	Butler, J.	M.
Falmouth—	A.M.	Gerrard's Cross-	0	Campbell, H. Chapman, J. F.	M. A.M.
Bullmore, F. C.	A.M.	Meyjes, A. C. D.	G.	Gledhill, A. H.	A.M. G.
Bunt, T. Cox, H. H.	M. M.	Sharpe, T. W.	M.	Gledhill, G. Greaves, L. V.	A.M.
Stephens, C. R. Taylor, S. L.	M.	Gloucester-		Hadwen, F. W. Hardy, J. H.	A.M.
Farnborough—	A.M.	Cowcher, G.	A.M.	Marsden, W.	A.M.
COOUNG J. W	A.M.	Fielding, J. Fisher, H. F.	M. A.M.	Pogson, J. Redman, J.	M. M.
Garland, F. J. Graham, E.	M. A.M.	Fisher, H. F. Goold, W. T. Scott, C. H.	M. M.	Redman, J. Smith, W. H. Snoxell, G. E.	M. M.
Heron, S. D.	G.	Sisson, A. W.	M.	Stirk, G.	M.
Hodson, F. H. Kennedy, S. S.	A.M. A.M.	Sisson, A. W. Sisson, W. Thomas, J. V.	M. A.M.	Sutcliffe, A. R. Thomas, F. W. Townsend, C. E.	A.M.
O'Gorman, M. Pinkney, T. S.	M. A.M.	Watkins, A. G. Weaver, H. J.	A.M.	Townsend, C. E.	G. A.M.
Pinkney, T. S. Poole, L. G.	A.M.	Willans, G. H.	M. M.	Widdowson, E. L. Wilson, J.	G.
Saunders, T. T. Smith, G. W.	G. A.M.	Gosport-		Womersley, W. D.	G.
Turner, G. B. Wilkinson, G. S.	A.M.	Stocker, Eng. Com	m.	Halstead-	A.M.
Transacou, G. O.	A.M.	Р.	M.	Hawkins, E. S.	Shrathe

				** ** **	
Hampton, Middx.—	A M	Hereford-	M	Hull (cont.)— Kersey, A. T. J.	A DE
	A.M.	McCall, D.	M.	Litton F H	A.M.
Jakeman, C. J. W.	M.	Hertford-		Litton, F. H. McCormick, J.	M.
Spicer, F. L.	A.M.	Roberts, G., Jun.	G.	McKenzie, N.	A.M.
		Heywood-		Nicol, G. A.	M.
Harlow—	A TAT	Leach, R. B.	A.M.	Pearson, G. A.	A.M.
Jones, F. H.	A.M.	High Wycombe-		Plowright, J. T.	M.
Harpenden-		Mackie, T. D.	A.M.	Robb, A.	M.
Deeley, R. M.	M.			Sheppard, H. Spring, A. L.	A.M.
		Hitchin—	A.M.	Stirling, M.	M.
Harrogate—	A.M.	Donnelly, S. H. Innes, A. M. Spencer, A. L. H. Spencer, W. E. S. H.	A.M.	Strong, G. H.	M.
Fuller, E. W. Maclean, A. D.	G.	Spencer, A. L. H.	A.M.	Strong, H.	M.
Newman, K. C. H.	A.M.	Spencer, W. E. S. H.	A.M.	Taylor, W.	A.M.
Thorpe, R.	A.M.	Horeham Rd., Suss		Townhill, W.	M.
Westgarth, T.	M.	English, T. M.	M.	Walker, E. G.	A.M.
Wilkinson, G.	M.			Wilkinson, J.	M. M.
Harrow-		Horsehay— Simpson, A. H.	G.	Willatt, W. H. Wilson, T. S.	M.
Barrett, C. H.	G.		u.		MA.
Dwools II I	A.M.	Horsham— Cook, H. M.	A.M.	Hunmanby—	4 35
Chute, M. L.	A.M.	Cook, H. M.	A.M.	Cranswick, C. T.	A.M.
De Gruchy, W. A.	A.M.	Turner, J. A. Usherwood, T. S.	A.M.	Hyde-	
Chute, M. L. De Gruchy, W. A. Fawcett, E. G. D. Stringer, H. A. Windsor, A. W. Woods, A. R. T.	G.		- ATTACA	Adamson, D.	M.
Stringer, H. A.	A.M.	Horwich— Attock, F. W.	3/4"	Adamson, J.	M. A.M.
Woods, A. R. T.	M.	Billington, J. R.	M. M.	Craig, W. Davies, O. B.	A.M.
Woods, A. 16. 1.	MA.	Gass, E. M.	A.M.	Hall, J.	M.
Hartlepool-		Gibson, D.	M.	Harrison, J.	M.
Clark, G.	M.	Haigh, J. H.	A.M.		
McBride, W. Morison, D. B.	M.	Hughes, G.	M.	Hythe—	4 35
Morison, D. B.	M. M.	Hurt, E. N. R.	A.M.	Lee, W. H.	A.M.
Robinson, I. V.	Mr.	Ormrod, A. S.	G.	Ilford-	
Haslemere-		Sells, M. P.	A.M. M.	Carstairs, G. L.	A.M.
Ellington, G.	A.M.	Shawcross, G. N.	ML.	Child, J.	A.M.
Flinn, S.	A.M.	Howden-		Clacher, T.	A.M.
Godfrey, W. B. Johnson, L. P. Yarrow, Sir A. F.	M. M.	Briggs, J. H.	M.	Griggs, J. W. Hodson, R. C.	A.M.
Vormous Sin A F	M.			Houson, R. C.	A.M.
Tarrow, Sir A. F.	200.	Huddersfield— Bostock, F. J.	A.M.	Kerr, W. S. Low, Prof. D. A. Mott, R. J. Myers, J. B.	M.
Hassocks—		Bramley-Moore, S.		Mott. R. J.	G.
Hughes, C. L.	G.	Broadbent, W. Button, J. W.	M.	Myers, J. R.	A.M.
Hestings-		Button, J. W.	A.M.	Norton, S. J.	A.M.
Castle, F.	M.	Dickinson, I.	A.M.	Patterson, H.	A.M.
Ferguson, R. F.	M.	Gamble, G. M. Glover, W. A.	A.M.	Reeve, W.	A.M.
Tree, B. F.	G.	Hobblethweite W	A.M.	Saholes W H	M. M.
		Hebblethwaite, W. Holmes, P. F.	M.	Scotcher W G	G.
Havant—	A.M.	Hopkinson, A. H.	M.	Sawden, H. F. Scholes, W. H. Scotcher, W. G. Shaw, A. H.	M.
Dean, G.	AL. HE.	Hopkinson, F. A.	M.	Thompson, H.	A.M.
Hawkhurst-		Marshall, L.	M.	Wilson, F. R.	A.M.
Cust, L.	A.M.	Metcalf, A. T.	M.		
Hover Vant		Mountney, C. F. Sharpley, R. Shaw, W. C.	A.M.	Becker, C.	M.
Mann, F. C. D.	A.M.	Sharpley, K.	A.M.	Patchett, J. H.	A.M.
	darates	Stocks, J. A.	G.		
Hayes, Middx.— Mowbray, F. H.		Stocks, J. A. Watts, W. J. T.	M.	Ipswich—	0
Mowbray, F. H.	A.M.	And the		Bond, H. F.	G.
Haywards Heath-		Hull— Blackith, F.	M.	Crates, W. H. Gilbert, R. W. A.	A.M. G.
Channon, P. P.	A.M.	Blythe E	A.M.	Girling, A.	A.M.
Ivatt, H. A.	M.	Blythe, E. Bonar, D. D. M.	G.	Hartley, H. A.	A.M.
Martin, F.	A.M.	Brodrick, W. H.	M.	Hartley, H. A. Horsnaill, W. O.	A.M.
Peache, J. C.	M.	Brodrick, W. H. Cookson, F. R. C. Cooper, W. Drury, R. S. Drupkerley, H.	A.M.	James, H. H. R.	A.M.
Hebburn-		Cooper, W.	M.	Jefferies, H. S.	M.
Holmes, H.	A.M.	Drury, R. S.	M.	Keightley, A. P.	M.
111		Dunkeriey, II.	M. A.M.	Minty, A.	G.
Hednesford—	3.6	Embley, A. S. Groves, W. R.	M.	Morfey, F. H. Reavell, W.	M.
Bumsted, F. D.	M.	Harrison, R.	A.M.	Ries, A. H.	A.M.
Williamson, R. S.	A.	Harrison, R. Haswell, F. J.	M.	Ries, A. H. Ripley, P. E. Scott, W. L.	M.
Henley-on-Thames	-	Hepton, E. S.	A.M.	Scott, W. L.	A.M.
Leslie, B.	M.	Hepton, E. S. Hodgson, W. Jenkin, T. H.	G.	Smyth, S.	G.
Peck, H. H.	A.M.	Jenkin, T. H.	M.	Turner, F. W.	M.

Isleworth-	20	Leeds (cont.)-	7.5	Leeds (cont.)	4.75
Cole, C. S.	M.	Berry, H.	M. A.M.	Smith, F. H. Smyth, E. W. Storr, J. E.	A.M.
Keighley-		Bettison, F. C.	M.	Storr J. E.	A.M.
Burton, J. H.	A.M.	Bowen, W.	A.M.	Sturgeon, H. C.	A.M.
Clarkam T. A.	A.M.	Bottomley, J. W. Bowen, W. Braime, T. F.	M.	Sunderland, W.	A.M.
Butterfield, K. Clapham, T. A. Darling, J. W. Feather, R.	M.	Buckley, C. L. Buckley, P. Burn, G. F.	A.M.	Taylor, N. Taylor, W. R.	M.
Feather, R.	A.	Buckley, P.	A.M.	Taylor, W. R.	A.M.
		Burn, G. F.	A.M. M.	Towler, A.	M. A.M.
Kenley, Surrey— Stirling, D. E.	M.	Butler, E. Butler, H. M.	M.	Turney, Lieut. F.	A.M.
	att.	Campbell, A.	M.	Wainwright, W. H. Walker, F. H.	A.M.
Kettering-	A 7A/E	Campbell, A. Campbell, E. W.	A.M.	Walker, H. C.	A.M.
Lea, A. H. Preston, F. H.	A.M. G.	Carolin, E. M. Carr, C. R.	M.	Wallis, G. P.	M.
Wicksteed, C.	M.	Carr, C. R.	A.M.	Walton, S.	G.
Kew-		Clark, E. K.	M. A.M.	Ward, E. P.	A.M. M.
Blake, F. C.	A.M.	Craven, A. D. Creighton, H.	A.M.	Wardle, E. Watson, F. L.	M.
Brown, Capt. F. A.	W. M.	Daniel, W.	M.	Watson, J. F.	M.
Deacon, R. W.	M.	Denison, S.	M.	Watson, J. F. Weston, T. W.	M.
Leitch, D. C.	M.	Dixon, W.	A.M.	Whitaker, G.	A.M.
Norman, G. F. A.	A.M.	Dunn, J.	A.M.	Whitaker, G. B.	G.
Wilson, R. D.	M.	Eastwood, W.	M. G.	Wicksteed, J. H.	M.
Kidderminster-		Ellingham, E. H.	A.M.	Wigram, W. G. Wilkinson, L. M.	A.M. M.
Green, B. J.	A.M.	Fowler, C. H. Fowler, R. H.	M.	Wyvill, F. C.	M.
King's Lynn-		Fox, H. H.	A.M.		
Gill, J. H. W.	M.	Graham, J.	M.	Leicester-	
Hovell, J. C.	A.M.	Greaves, W. Green, W. P.	M.	Brooks, J. F.	A.M.
Jackson, C. W.	A.M.	Green, W. P.	M.	Clarke, L. T.	M.
Johnson, B. R.	A.M.	Grover, F.	M. M.	Collinson, A. E.	A.M.
Kingston-on-Than	nes-	Hamilton, G. C. Hart, G. A.	M.	Gimson, H.	A.M. M.
Alexander, C. W.	A.M.	Hartnell, W.	M.	Keay, J. A.	A.M.
Brierley, W.	G. M.	Hartnell, W. Hayes, H. C.	A.M.	Lambert, J. G. Macfle, W. L.	A.M.
Edgeome, J. E. Higginbotham, W		Hodgson, H. Holgate, C. H. Holt, R. B.	A.M.	Nesdit, D. M.	M.
Kitching, J., Jun.	A.M.	Holgate, C. H.	M.	Peet, H. C.	A.M.
Kitching, J., Jun. Smith, W. M.	M.	Holt, R. B.	M. M.	Pochin, H. S.	M.
Kirby Moorside-		Jackson, T. James, C. W. Jeffreys, E. H. Jennins, H. H.	M.	Progton P. I.	M. G.
Frank, R. A.	A.M.	Jeffreys, E. H.	M.	Preston, P. L. Pulsford, F. C.	A.M.
Kirkby-in-Furness		Jennins, H. H.	M.	Richards, H. W. H.	M.
Rothery, W. B.	М.	Johnson, F. A.	A.M.	Rogers, G. D.	A.M.
	2.2.	Johnson, F. A. Johnson, W. W. Jukes, J. W. Kaye, W. K. Kidd, J. W.	A.M.	Rogers, G. D. Seymour, W. F. E. Smith, J. B.	A.M.
Claremont, E. A.	7. M.	Kove W K	A.M. M.	Smith, J. B.	A.M.
_	THE.	Kidd. J. W.	M.	Taylor, W. Wootton, J.	M. M.
Lancaster-	0	Lambert, H.	M.	11 000001, 3.	ALL.
Clews, R. T.	G. A.M.	Lane, F. L. Livsey, H.	M.	Leigh, Lancs	
Emery, J. I. Holloway, J. W.	A.M.	Livsey, H.	M.	Sutcliffe, E. R.	A.M.
Holloway, J. W. Sanford, G. C.	A.M.	Lupton, N. D. Lupton, W. W.	A.M. M.	,	
Launceston-		McGhee, A.	A.M.	Leighton Buzzard-	_
King, H. H.	A.M.	McLaren, H.	M.	Brown, E. W.	A.M.
Langdon, D. E.	A.M.	McLaren, J.	M.	Pollard, E.	A.M.
Langdon, W.	M.	McLaren, J. A.	M.		
Laxfield-		McLaren, R.	M.	Leiston-	
Lindsey-Badcock	, W.	Marshall, W. C.	A.M.	Garrett, F.	M.
	A.M.	Maynard, P. V. Metcalfe, R. G.	A.M.	Garrett, F., Jun.	A.M.
Leamington Spa-	3.5	Meysey-Thompson	n,	Lobley, H. D.	A.M.
Gee, T. J.	M. M.	A. H.	M.	Prott H. K.	A.M. M.
Mell, L. P.	TIL.	Moorhouse, S.	М.	Garrett, F., Jun. Lobley, H. D. Oakes, F. B. Pratt, H. K. Tuppen, H. R. Welker, F. E.	· G.
Leatherhead-		Musgrave, J. R.	M. M.	Walker, F. E.	A.M.
Gillett, T. Gwynne, N. G.	A.M.	Myers, H. S. Naylor, T. H.	M.		
Gwynne, N. G.	M.	Pickering, W.S.	A.M.	Letchworth—	
Leeds-		Pickering, W.S. Pimm, A. W.	A.M.	Bain, G.	M.
Ambler, C. P. Bailie, J. D.	G.	Poulson, H.	A.M.	Bullmore, A. W. E.	A.M. A.M.
Bailie, J. D.	M.	Redding, W. Rhodes, E.	A.M.	Pearsall, R. H. Whitehouse, W. H.	
Baskerville, R. H. Baxandall, R. F.	A.M.	Rogers G K	A.M. M.	Transcriber II.	
Beaumont, Prof.	B. M.	Rogers, G. K. Shanks, A. T.	M.	Lewes-	
Bentley, P.	A.M.	Shanks, A. T. Sharp, R. G.	M.	Cronin, H. F.	G.
Bentley, P. Benton, W. J.	M.	Shenton, J. W.	A.M.	Wood, F. J.	G.

*****		Timenment (comt)		LONDON	
Lichfield— Greenwood, V. E.	A.M.	Cumming, W. M.	M.	LONDON— Abady, J.	M.
Greenwood, v. E.	21.211.	Dall, J.	M.	Abbott, J. H. A.	A.M.
Limpsfield-		Davenport, J. A.	A.M.	Abbott, J. H. A. Ablitt, E. F. Accles, W. S.	A.M.
Borry A P	A.M.	Davenport, J. A. Dickinson, H.	M.	Aceles, W. S.	M.
Buckton, W. W.	M.	Douglas, J. T.	M.	Acland, Capt. F. I	E. D. M.
,		Duncan, B. A.	G.	Adams, A. B.	G.
Lincoln—		Fitzgerald, T. Fletcher, W. M.	G. M.	Adams, C. H. Adams, D.	G. G.
Ballinger, H.	A.M.	Geddes, C.	M.	Adams, H.	M.
Beeching, H. Bell, W. T.	A.M.	Gill, J. F.	A.M.	Adams, H. C.	M.
Bornemann, J. A.	D. M.	Given, E. C.	M.	Adams, H. C. Adams, W. J.	M.
Bradshaw, S.	M.	Griffiths, E.	M.	Adey, D. F. Alder, J. F. Aldrich, T. G. Algar, S. C.	A.M.
Bryant, C.	G.	Hall, R. Hall, W.	M.	Alder, J. F.	A.M.
Chorlton, A. E. L.	M.	Hall, W.	M.	Aldrich, T. G.	A.M.
Bryant, C. Chorlton, A. E. L. Collis, A. E.	M.	Henderson, H. E. Honiball, C. R. Hooper, S. H.	M. M.	Allegar, S. C.	A.M. M.
Dawson, S. H. W.	A.M.	Hooner S. H	A.M.	Allen, C. W. G. Allen, E. J. Allen, T. F.	A.M.
Harrison, G.	A.M.	Iliffe, R. J.	A.M.	Allen, E. J.	M.
Hollowday, A.	G.	Jones, S. P.	A.M.	Allen, T. F.	A.M.
Hollowday, C. V. Jones, L. W. Lewis, F. W.	G.	Keatinge, S. A. J.	M.	Allensby, C. R. Allin, H. P.	A.M.
Lewis, F. W.	M.	Kidd, W.J.	M.	Allin, H. P.	A.M.
Livens, F. H.	M.	Kermode, J. J.	M.	Allison, B. J.	A.M.
McClunan, E.	G.	King, W.	M. M.	Allman, A. J. R.	A.M. M.
Mawer, S. Nichol, J. O.	A.M.	Lambert, W. F. Leighton, L.	A.M.	Ames, R. Amos, E. C.	M.
Nichol, J. O.	A.M.	Lockwood-Bunce,		Amos, H. C.	A.M.
Oliver, A. Perry, F. B. Pope, A. P.	A.M.		A.M.	Anderson, J. G.	A.M.
Pone A P	A.M.	Macaulay, J. McIvor, B. R. Malley, C. E. A. H. Mansfield, W.	A.M.	Anderson, J. R.	M.
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Zuompson, II. O.	A.M. C. O. A.M.
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Fowler, W. H. Fox, W.	M.	McGill, T.	A.M.	Scorer, A. B.	M.
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Goodier R	G.	Massay H F	M.	Smith, C. H.	G.
Goodier, R. Gow, J. B.	A.M.	Massey, L. F.	M.	Smith, D.	M.
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Graham, J.	M.	Mather, Rt. Hon.		Smith, J. W.	M.
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Hamilton, H.	G.	Metcalfe, J. Millington, W. E.	W.	Stratton, J.	M.
Hardman, J. H.	A.M.	The state of the same	A.M.	Stromeyer, C. E.	M.
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	G.	Minehead-		Hyde, P. A. M.
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Vaughan, W. H.	M.	Wedlake, J. G.	A.M.	Lumley, G. M.
	M. A.M.	Mitcham—	M	Lydall, C. H. A.M. MacGuckin, C. J. G. M.
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Watkins, J. H.	A.M.	Storey, C. B.	A.M.	Orde, E. L. M.
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Whittaker, M. Willcocks, F. R. Williams, V. I. N.	M.	Thorne, D. S.	A.M.	Redman, S. G. A.M.
Williams, V. I. N.	A.M.	Newark-		Riseley, H. L. M. A.M.
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Wright, I. H.	A.M.	Josselyn, E.	A.III.	Stanier, J. H. A.M.
Wright, T. Yates, W.	M.	Newbury-		St. Legier, Eng. Lt
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Youatt, C. S. Young, R. C.	A.M.	Lester, W. H. D.	A.M.	Stoney, G. G. M. Tervet, N. C. G.
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Manningtree— Cragg, W. O. Fitch, J. R. M.	A.M.			Watson, H. B. M.
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Sanderson, H. W.	A.M.			Watt, A. M.
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Marriott, W. Newman, W. E.	M. M.	Champion, G. T. Clatworthy, W. A	A.M. A.M.	Giles, B. M.
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Marsh, C. K.	A.M.	Cowens, W. E. Cripwell, F.	M. M.	Surtees, R. T. M.
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Harrison, W. G.	A.M. M.	Forster, A. T.	M. G.	Mobbs, H. A.M.
Marsden, J. R.	A.M.	Gardner, R. H. Hartley, W. A. Haswell, W. S.	$\mathbf{M}.$	North Shields—
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Talbot, B.	M.	Hepper, J. Hobson, J. W.	M.	Carr, W. S. M.
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Hollows, A.	A.M.	Oundle-		Hall, S. Z.	M.
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Northwood-	3.5	Lucy, W. T.	M.	Ashley, H.	M.
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Eden, C. G.	A.M.	Swift, J. T. B.	A.M.	Ball, Eng. Comm.	
Higson, J.	M.	Parkstone-		R. H. C.	M. G.
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Johnson, C. H.	M.	Hetherington, F.	A.M.	S. J.	M.
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Bond, G. C.	M.	Brotherhood, S.	M.	Michell, Eng. Lt.	M.
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Fox, S. A. Haynes, N. P.	A.M. G.	Peppercorn, A. H. Sinclair, H.	M.	Cook, J. W. D.	G.
Hodgson, W. J.	G.	True, R. A.	M.	Prescot-	
Hunt, W.	M.			Bull, R. F.	A.M.
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	M.	Pinner- Bray, H. P.	A.M.	Brocklehurst, H. C.	. A.M.
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	M. A.M. M.	Pinner— Bray, H. P. Hall, B. J. Kemp, A. V.	A.M.	Bowman, H. E. Brocklehurst, H. C Conner, J. Dale, J. S.	M. M. A.M.
Sheldon, H. C. Smith, H. W. Smith, I. Smith, R. V.	A.M. A.M. M. A.M.	Pinner— Bray, H. P. Hall, B. J. Kemp, A. V. Wright, E.	A.M. A.M. A.M. A.M.	Bowman, H. E. Brocklehurst, H. C Conner, J. Dale, J. S. Dryden, T.	A.M. A.M. M.
Sheldon, H. C. Smith, H. W. Smith, I. Smith, R. V. Turney, Sir J.	A.M. A.M. M. A.M.	Playden-	A.M. A.M. A.M.	Bowman, H. E. Brocklehurst, H. C Conner, J. Dale, J. S. Dryden, T. Dryden, W. Fewster, E. D.	M. A.M. M. A.M. A.M. A.M. A.M.
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Liebert, H. A. Porritt, L. A. Radcliffe, J. J.	M.	Cozens-Hardy, H	on.	Burgon, F. H.	A.M.
Porritt, L. A.	M.	E. H.	M.	Burley, G. W. Butler, J. L.	A.M.
Radchire, J. J.	A.M.	Gardiner, J.	A.M.	Conver 4 T	A.M.
Robinson, C. J.	M.	Glover, R. B. Hawkins, B. T.	G.	Capron, A. J. Carnegie, W.	M. M.
Robinson, P. S. Tweedale, J.	A.M. M.	Hawkins, B. T.	A.M.	Carter, W.	A.M.
Williams, B. E.	M.	Hollingsworth, E	. M. M.	Christmas, E. B.	A.M.
, imamo, D. E.	ALL	Johnson, H. W. Smith, W. Waldron, F. B.	A.M.	Cleland, W.	M.
Rochester-		Woldren F P	M. M.	Cole, D. B.	A.M.
Aveling, T. L.	M.	West, L.	M.	Cooper, H.	M.
Aveling, T. L. Bellman, H.	A.M.	11 080, 11,	211.	Cooper, H. Corrin, H. R.	M.
Cave-Browne-Cay	70,	Salford-		Cowen, G. H.	M.
Cave-Browne-Cav Squad. Commr.	T. R.	Bates, H.	M.	Crookes, J. H.	A.M.
	A.M.	Brown, J. H.	A.M.	Davidson, A.	M.
Daniel, W. H. Holden, S. D.	A.M.	Coventry, T.	A.M.	Davy, B. J. Dewhurst, J. H.	M.
Holden, S. D.	M.	Donovan, E. W.	M.	Droke A P	M. A.M.
Isard, A. P.	A.M.	Coventry, T. Donovan, E. W. Etchells, T. W. Gresham, H. E. Kiernan, G.	A.M. M.	Drake, A. P. Drinnan, J.	A.M.
Romford-		Kiernan G	M.	Edwards, T. H	A.M.
Allibon, S.	A.M.	Kiernan, G. Knowles, J. P.	A.M.	Edwards, T. H. Fawcett, P. W.	A.M.
Bryan, B. W.	M.	Larmuth, J. H.	A.M.	Fedden, S. E.	M.
Bryan, B. W. Chipperfield, W.	A.M.	Larmuth, W. O.	M.	Finch, R. J.	A.M.
Goodyear, D. C.	A.M.	Mallinson, A. B.	M.	Firth, A.	M.
Goodyear, D. C. Wells, G. J.	M.	Morris, J.	M.	Firth, A. Flood, W. H.	A.M.
Wilson, J.	M.	Morris, J. A.	M.	Foster, G.	A.

Sheffield (cont.)-		Shipley-		Stafford-	
Foster R I	A.M.	Calverley V	A.M.	Edwards, W. S.	A.M.
Foster, R. J. Frost, G. H. Fryer, T. J.	A.M.	Calverley, V. Codling, J. H. Hinde, W. J.	A.M.	Horalt W	A.M.
Frost, G. H.		Couling, J. H.	A.DE.	Hoult, W. Schiller, F. W. Valon, W. A. M. Watson, O. W. J. Young, J. R.	A.M.
Fryer, T. J.	A.M.	Hinde, W. J.	A.M.	Schiller, F. W.	M.
Gardner, J. C. Gilling, A. H. Greaves, W.	$\mathbf{M}.$	Parkinson, E.	A.M.	Valon, W. A. M.	A.M.
Gilling, A. H.	M.	Polglase, A. H.	A.M.	Watson, O. W. J.	A.M.
Greaves W	A.M.	Schott, A. C. H. W.	G.	Voung I R	A.M.
Grow H		Behout, A. C. H. W.	u.	10ung, J. 14.	A.M.
Grey, H.	A.M.	Shrewsbury-		Stalybridge-	
Hadfield, Sir R. A	. M.	Belton, C. M. D.	A.M.	Bayliss, W.	M.
Harper, J.	A.M.	German, C. M. D.			
Hatfleld, W. H.	A.M.	Carpmael, R.	M.	Cook, T.	M.
Hill, J. A.	M.	Harrison, C. W.	A.M.	Hudson, W.	M.
Hodgran T C		Johnston, C. M.	M.	Ctamfond	
Hodgson, L. S.	G.	Pulleine, J. J.	A.M.	Stamford-	3.5
Hodgson, R. B.	M.	Williams, W. D.	A.M.	Blackstone, E. C.	M.
Holden, S. M. Howell, C. E. Howell, E. E.	A.M.	Williams, W. D.	A.H.	Carter, E.	A.M.
Howell, C. E.	A.M.	Sideup-		Carter, F.	A.M.
Howell F F	A.M.	Farnham, W. A.	A.M.	Price, F. L.	A.M.
Howell, E. E.	A.M.	Farman, W. A.	Auth	177044 D T	
Howell, S. E.	M.	Sittingbourne-		Watts, R. E.	A.M.
Hoyle, J. R.	M.		A TAT	Steventon-	
Howell, S. E. Hoyle, J. R. Hurd, M.	A.M.	Hall, A. E.	A.M.		ATE
Jack, J. H.	A.M.	Sleaford-		Squire, G. F.	A.M.
Tookman I			a	Stockbridge, Hants	-
Jackman, J. Jeff, W.	A.	Skinner, H. V.	G.	Stockbridge, mants	3.5
Jen, w.	A.M.	Slough-		Tomkins, W. S.	M.
Johns, C.	M.	Bulkeley, G. V. O. Hibberd, F. C. Pope, W. W.	A 7MT	Stoolenont.	
Lash, H. W.	M.	Bulkeley, G. V. O.	A.M.	Stockport—	A 3.5
Laycock W E	A.M.	Hibberd, F. C.	M.	Andrew, T.	A.M.
Laycock, W. E. Laycock, W. S.	M.	Pope, W. W.	M.	Bamford, F.	A.M.
Laycock, W. S.		Rendell, H. T.	A.M.	Brown, C. A.	A.M.
Little, J.	M.	Secker, J. H.	A.M.	Buck, G. F.	M,
Loving, H. C.	м.	Wotherell P F C		Conton F	A.M.
. McCallum, P.	G.	Wetherell, R. E. C.	A.M.	Carter, F.	
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Macland Comer	A TAY T		74.5	Cook, W. H.	M.
Macleod-Carey,	a. W. J.	Crocker, E. G.	M.	Davie, J. P.	A.M.
	A.M.	Southall-		Day, C.	M.
Marr, J.	A.M.	Leach, H.	A.M.	Hardman E	A DE
Mascall, A. E.	A.M.	Loach, II.	21.11.	Hardman, F.	A.M.
Meggritt S N	A.	Southampton-		Harlow, B. S.	A.M.
Miller W. D. W.		Baldwin-Wiseman		Hillhouse, J. P.	A.M.
Miller, W. T. W.	M.	W. R.	A.M.	Hind, R. S.	A.M.
Meggitt, S. N. Miller, W. T. W. Morley, T. B.	A.M.			Hurst I H	M.
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Osborn, W. F.	G.	Blakeney, S. E. Brameld, P.	A.M.	Judd, J. H.	
Palmer A	A.M.	Brameld, P.	A.M.	Pemberton, A.	М.
Dombon T D		Burnand, A. H.	A.M.	Pullen, Prof. W. W Rhodes, W. F.	.F. M.
rarker, L. D	A.M.	Color A R	M.	Rhodes, W. F.	A.M.
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Pigott, A.	A.M.	COOK, R. J.	M.	Therelands, O. O.	M.
Poulton, W.	A.M.	Crichton, J. A.	A.M.	Taylor, J.	
Pigott, A. Poulton, W. Preston, F. K.	M.	Crook, H. C.	A.M.	Whitehead, H. F.	C. M.
Dodford D II	3/1.	Dashner, E. H.	M.	Woodhouse, Capt.	E.
	M.	Dashper, E. H. Gray, W. H.	A.M.	, -	A.M.
Reeves, A. W. Ripper, Prof. W.	M.	Dominton T	A.M.		
Ripper, Prof. W.	M.	Hampton, J. Parsons, H. Reynolds, W. A.		Stockton-on-Tees-	-
Sanders, T. H.	A.M.	Parsons, H.	M.	Beard, B.	M.
Sanderson, A.	A.M.	Reynolds, W. A.	G.	Bonar H	A.M.
		Tebbutt, S.	M.	Bonar, H.	
Schoffeld, S. D.	M.	Tremelling, H. T.	A.M.	Dunn, M.	M.
Sheel, H.	G.	Votes C C	G.	Graham, A. J. W.	M.
Simpkin, F. H.	M.	Vokes, C. G.		Hamilton, H. P. Hodgson, R. B.	M.
Skinner, A.	M.	Wallau, F. P.	M.	Hodgson, R. B.	M.
	A.M.	Southend-on-Sea-		Job, N. H.	A.M.
Sumonda D H	A.M.		M.	Loweon W	A.M.
Ebomos T. H.		Elford, E. J.		Lawson, W.	
Thomas, J. F. L.	М.	Ruffle, C. F. S.	G.	Mellanby, T. G. Newton, R.	G.
Unwin, M. E.	A.M.	Taylor, A.	A.M.	Newton, R.	A.M.
Walker, E.	0			Rigby, H.	A.M.
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Ward. J. C.	G.	Southport-	4 35	Ringquist J M.	M.
Ward, J. C.	A.M.	Casson, R.	A.M.	Ringquist, J. M.	M.
Ward, W. A.	A.M.	Casson, R.	A.M. M.	Ringquist, J. M. Wrightson, Sir T.	M. M.
Ward, W. A. Warlow, F. A.	A.M. A.M. M.	Casson, R. Crosland, J.	M.	Ringquist, J. M. Wrightson, Sir T.	
Ward, J. C. Ward, W. A. Warlow, F. A. Welch, J. F. W.	A.M. A.M. M. A.M.	Casson, R. Crosland, J. Hobson, J. E.	M. M.	Ringquist, J. M. Wrightson, Sir T. Stoke-on-Trent—	M.
Stead, U. S. Symonds, P. H. Thomas, J. F. I. Unwin, M. E. Ward, J. C. Ward, J. C. Ward, W. A. Warlow, F. A. Welch, J. F. W. Wightman, J.	A.M. A.M. M. A.M.	Casson, R. Crosland, J. Hobson, J. E. Lees, C. J.	M. M. A.M.	Ringquist, J. M. Wrightson, Sir T. Stoke-on-Trent— Bolton, E. J.	M.
	A.M. M. A.M. A.M.	Casson, R. Crosland, J. Hobson, J. E. Lees, C. J. Lister, A. J.	M. M. A.M. A.M.	Ringquist, J. M. Wrightson, Sir T. Stoke-on-Trent— Bolton, E. J. Child, G. T.	M. A.M. M.
Wild, A. G.	A.M. A.M. M. A.M. M. M.	Casson, R. Crosland, J. Hobson, J. E. Lees, C. J.	M. M. A.M. A.M.	Ringquist, J. M. Wrightson, Sir T. Stoke-on-Trent— Bolton, E. J. Child, G. T.	M.
Wild, A. G. Williams, J. R.	A.M. M. A.M. M. M. M. A.M.	Casson, R. Crosland, J. Hobson, J. E. Lees, C. J. Lister, A. J. Stanley, H. F., Jun	M. M. A.M. A.M.	Ringquist, J. M. Wrightson, Sir T. Stoke-on-Trent— Bolton, E. J. Child, G. T.	M. A.M. M.
Wild, A. G. Williams, J. R. Willis, G. O. B.	A.M. A.M. M. A.M. M. M. A.M. A.M.	Casson, R. Crosland, J. Hobson, J. E. Lees, C. J. Lister, A. J. Stanley, H. F., Jun South Shields—	M. M. A.M. A.M. A.M.	Ringquist, J. M. Wrightson, Sir T. Stoke-on-Trent— Bolton, E. J. Child, G. T.	M. A.M. M. A.M. M.
Wild, A. G. Williams, J. R. Willis, G. O. B. Wilson, C. A.	A.M. A.M. M. A.M. M. A.M. A.M.	Casson, R. Crosland, J. Hobson, J. E. Lees, C. J. Lister, A. J. Stanley, H. F., Jun South Shields— Ellis, H. S.	M. M. A.M. A.M. A.M.	Ringquist, J. M. Wrightson, Sir T. Stoke-on-Trent— Bolton, E. J. Child, G. T. Freeman, W. W. Gowing, W. H. Harrop, F. H.	M. A.M. M. A.M. M. M. M.
Wild, A. G. Williams, J. R. Willis, G. O. B. Wilson, C. A.	A.M. A.M. M. A.M. M. A.M. A.M.	Casson, R. Crosland, J. Hobson, J. E. Lees, C. J. Lister, A. J. Stanley, H. F., Jun South Shields— Ellis, H. S. Readhead, R.	M. M. A.M. A.M. A.M. M.	Ringquist, J. M. Wrightson, Sir T. Stoke-on-Trent— Bolton, E. J. Child, G. T. Freeman, W. W. Gowing, W. H. Harrop, F. H. Hookham, J. A.	M. A.M. M. A.M. M. M. M. M.
Wild, A. G. Williams, J. R. Willis, G. O. B. Wilson, C. A. Wilson, G.	A.M. A.M. M. A.M. M. A.M. A.M. A.M.	Casson, R. Crosland, J. Hobson, J. E. Lees, C. J. Lister, A. J. Stanley, H. F., Jun South Shields— Ellis, H. S. Readhead, R.	M. M. A.M. A.M. A.M.	Ringquist, J. M. Wrightson, Sir T. Stoke-on-Trent— Bolton, E. J. Child, G. T. Freeman, W. W. Gowing, W. H. Harrop, F. H. Hookham, J. A. Mitchell, R. J.	M. A.M. M. A.M. M. M. M. M. G.
Wild, A. G. Williams, J. R. Willis, G. O. B. Wilson, C. A. Wilson, G. Winder, B. W.	A.M. A.M. M. A.M. M. A.M. A.M. A.M. A.M	Casson, R. Crosland, J. Hobson, J. E. Lees, C. J. Lister, A. J. Stanley, H. F., Jun South Shields— Ellis, H. S. Readhead, R. Roseveare, L.	M. M. A.M. A.M. A.M. M. M.	Ringquist, J. M. Wrightson, Sir T. Stoke-on-Trent— Bolton, E. J. Child, G. T. Freeman, W. W. Gowing, W. H. Harrop, F. H. Hookham, J. A.	M. A.M. M. A.M. M. M. M. M. M. M. M. M.
Wild, A. G. Williams, J. R. Willis, G. O. B. Wilson, C. A. Wilson, G. Winder, B. W.	A.M. A.M. M. A.M. M. A.M. A.M. A.M. A.M	Casson, R. Crosland, J. Hobson, J. E. Lees, C. J. Lister, A. J. Stanley, H. F., Jun South Shields— Ellis, H. S. Readhead, R. Roseveare, L. Wilson, F. J.	M. M. A.M. A.M. A.M. M.	Ringquist, J. M. Wrightson, Sir T. Stoke-on-Trent— Bolton, E. J. Child, G. T. Freeman, W. W. Gowing, W. H. Harrop, F. H. Hookham, J. A. Mitchell, R. J. Mitcheson, G. A.	M. A.M. M. A.M. M. M. M. M. M. M. M. M.
Wild, A. G. Williams, J. R. Willis, G. O. B. Wilson, C. A. Wilson, G. Winder, B. W.	A.M. A.M. M. A.M. M. A.M. A.M. A.M. A.M	Casson, R. Crosland, J. Hobson, J. E. Lees, C. J. Lister, A. J. Stanley, H. F., Jun South Shields— Ellis, H. S. Readhead, R. Roseveare, L. Wilson, F. J. Sowerby Bridge—	M. A.M. A.M. A.M. M. M. A.M.	Ringquist, J. M. Wrightson, Sir T. Stoke-on-Trent— Bolton, E. J. Child, G. T. Freeman, W. W. Gowing, W. H. Harrop, F. H. Hookham, J. A. Mitchell, R. J. Mitcheson, G. A. Turner, J.	M. A.M. M. A.M. M. M. M. M. G.
Wild, A. G. Williams, J. R. Willis, G. O. B. Wilson, C. A. Wilson, G. Winder, B. W.	A.M. A.M. M. A.M. A.M. A.M. A.M. A.M. A	Casson, R. Crosland, J. Hobson, J. E. Lees, C. J. Lister, A. J. Stanley, H. F., Jun South Shields— Ellis, H. S. Readhead, R. Roseveare, L. Wilson, F. J. Sowerby Bridge— Milligan, W. S.	M. M. A.M. A.M. A.M. M. M. A.M. A.M.	Ringquist, J. M. Wrightson, Sir T. Stoke-on-Trent— Bolton, E. J. Child, G. T. Freeman, W. W. Gowing, W. H. Harrop, F. H. Hookham, J. A. Mitchell, R. J. Mitcheson, G. A. Turner, J.	M. A.M. M. A.M. M. M. M. M. M. A.M.
Wild, A. G. Williams, J. R. Willis, G. O. B. Wilson, C. A. Wilson, G.	A.M. A.M. M. A.M. M. A.M. A.M. A.M. A.M	Casson, R. Crosland, J. Hobson, J. E. Lees, C. J. Lister, A. J. Stanley, H. F., Jun South Shields— Ellis, H. S. Readhead, R. Roseveare, L. Wilson, F. J.	M. A.M. A.M. A.M. M. M. A.M.	Ringquist, J. M. Wrightson, Sir T. Stoke-on-Trent— Bolton, E. J. Child, G. T. Freeman, W. W. Gowing, W. H. Harrop, F. H. Hookham, J. A. Mitchell, R. J. Mitcheson, G. A.	M. A.M. M. A.M. M. M. M. M. M. M. M. M.

Stony Stratford-	35	Taunton-	7.5	Twickenham-	
Hayes, E.	M.	Craven, J. E. H.	M. A.M.	Best, F. E. Britton, Capt. E. J	т М.
Stourbridge-		Kay, C. H.	A.M.	Directi, Cape. E. a	A.M.
Attwood, J.	M. A.M.	Tavistock-		Pannell, J. R.	A.M.
Attwood, J. Cleverly, W. B. Jones, W.	M.	Rosevere, R. G.	A.M.	Twyford-	
				Watney, T. S.	M.
Stowmarket— Carter, J. A.	A.M.	Batson, R. G. C.	A.M.		
Tibbenham, L. J.	A.M.	Bramwell, F. H.	G.	Uckfield-	74.0
		Brewer, E. G.	M.	Anderson, H. W.	M.
Stroud, Glos.— Higgins, E. P.	A.M.	Chapman, L. Hyde, J. H.	M. A.M.	Ulverston-	
Jones, S. G.	M.	Thompson, J. A.	A.M.	Huntley, H. F. Kendall, R.	A.M.
Kimmins, E. R. King, H. J. H.	A.M. M.			Kendan, K.	A.M.
Oxley, J. H. W.	A.M.	Teignmouth— Dawson, H. de B.	A.M.	Upminster-	
Oxley, J. H. W. Platt, F. J.	M.			Brierley, N. H. Metcalf, H.	A.M.
Smith, T. G.	M.	Tewkesbury— Alder, G. F.	A.M.	metcan, H.	A.M.
Sturminster Newto	on-	Walker, W. P.	A.M.	Uxbridge-	
Maclagan, R.	M.			Bishop, R.	A.M.
Sunbury-		Grantham, J. A.	G.	Carter, A. Heaton, T. T.	A.M. M.
Chapman, Eng. 1	Lt.		٠.	Hulme, C.	M.
D. M.	A.M.	Thames Haven— Anfilogoff, N. A.	M.	Poole, R.	A.M.
Sunderland-		Hodge, J.	A.M.	Wadahnidaa	
Blackman, A. S.	M.			Wadebridge- Cardew, LtColor	nel
Clark, H.	M. A.M.	Thetford— Burrell ,C	M.	С. Е.	M.
Coueslant, L. D. Dickinson, J. C.	M.	Wilson, A. H.	G.	Wakefield-	
Dickinson, J. C. Graham, T. Keller, K. O. Simpson, W.	A.M.	Wilson, A. H. Wilson, E. M.	A.M.	Bailey, D. G.	M.
Keller, K. O.	M. M.	Wilson, W. C.	M.	Beevers, L.	G.
Strachan, A.	A.M.	Thirsk-		Blakey, J.	A.M. M.
Thompson, R. C.	M.	Lomas, G. A.	A.M.	Childe, H. S. Close, H. A.	M.
Willeox, H. W.	M.	Thorpe Bay, Esser	<u></u>	Close, H. A. Dalby, W. E. Derbyshire, J.	A.M.
Surbiton-		Rayner, J. M.	A.M.	Derbyshire, J.	A.M.
Harris, R. H.	M.	Reid, J. A.	A.M.	Green, Sir E. Harron, W. M.	M. A.M.
Rought, C. Shebbeare, F. W.	M. A.M.	Tilbury-		Harrop, W. M. Spink, R. J.	A.M.
Wrinch, H. E. H.	M.	Hibbert, J. P. M.	A.M.	Trigle, S. E. Webb, T. H.	G.
		Tipton-		Williams, C. T.	M. A.M.
Sutton, Surrey— Hanson, J.	A.M.	Best, A., Jun.	G.		22.22.
Raffety, S. R. Robins, G. M.	A.M.	Carrington, G. Howl, E.	M. M.	Wallasey—	G.
Robins, G. M.	M.	Lindop, W.	A.M.	Verity, G.	u,
Woof, T. Young, W.	M. A.M.		A.M.	Wallingford-	3.5
Toung, W.	Zit-Mit-	Tranter, W. J. Turley, T.	A.M. M.	Duvall, C. A.	M.
Sutton-on-Sea-		Whitehouse, G. H.		Wallington-	4: 70.0
Brennand, J.	G.	Torquay-		Evans, F. E. Hutt, A. C.	A.M.
Swaffham-		Ball, W. F.	A.M.	Kershaw, H.	A.M.
Allen, F.	M.	Coombes, T. Gray, T. L.	A.M.	Wallsend-	
Cwindon		Gray, T. L.	M.	Cullen, W. H.	M.
Swindon— Browne, W. R.	M.	Totnes-		Hunter, S.	M.
Burrows, G. H.	M.	Harvey, Sir R.	M.	Pritchard, L. H.	M.
Churchward, G. J	. M. A.M.	Totteridge-		Walmer-	
Dimmack, A.	M.	Newman, W. H.	A.M.	Robinson, I. V.	G.
Gadd, W. Hogarth, W. J.	A.M.	Trowbridge-		Walsall-	
King, H. C.	M.	Colborne, T.	M.	Beech, A.	A.M.
Maslin, E. S. Rodda, H. C.	A.M.	Colborne, T. Haden, C. I. Haden, W. N.	M. M.	Boys, S. J. Howie, H. A. Jones, S. D.	A.M.
Shepherd, J. H.	A.M.			Jones, S. D.	A.M.
Stanier, W. A.	M.	Tunbridge Wells-	4.35	Mercer (+ H.	A.M.
Thomas, L. R. Tindle, S. P.	M. G.	Crowther, H.	A.M.	Owston, W. H. Walker, J. G.	M. M.
Wright, F. G.	M.	Jones, F. R.	M.		Att.
		Pownall, J. E. Salomons, Sir D. 1 Torpy, R. N.	A.M.	Waltham Cross-	A.M.
Tamworth— Williams, N. C.	A.M.	Torov. R. N.	A.M.	Williams, E. J. Williams, H. L.	A.M.
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Walton-on-Thames	S C	Weston-super-Mar	0-	Wokingham-	
Hill, A. T. Hill, J. K.	G.	Gardiner, G. C. W.		Cuttell, J. H.	A.M.
Miron F H	M. A.M.	Woodward, R.	G.	Walker, R. H.	A.M.
Nixon, F. H. Yerbury, F. A.	M.	Weybridge-		TET - 1 1 4	
	Tit.	Bax, H. E. I.	A.M.	Wolverhampton-	A 70.0
Warrington— Atherton, T. Bleckly, J. J.		Bedford, J.	A.M.	Bechtel, R. C.	A.M.
Atherton, T.	M.	Caton, C. R.	G.	Berrington, E. E. Bryce, W. E. Crosse, E.	W. DL.
Bleckly, J. J.	M.	Morrison. R. P.	M.	Crosso F	d.
Brearley, F. T.	M.	Wright, F.	A.M.	Dumbell, J. B.	A.M.
Brearley, F. T. Dronsfield, J. Houghton, W. H. Locker, T. C.	M.			Edwards, E. H.	G.
Houghton, W. H.	A.M.	Weymouth-	3.5	Fellows, T. E.	A.M.
Locker, T. C.	G.	Jones, F. M.	M.	Froggatt, F.	M.
Massey, E. Monks, F. W.	A.M.	Marshall, W. H. U.	M.	Kislingbury, J. W.	Α.
Monks, F. W.	М.	Powell, E. B.	M.	Tribing our j, v. vi	A.M.
Ogden, R. W. Perks, T.	A.M.	Vine, Eng. Lt. H.	A.M. G.	Leach, R. W.	A.M.
Perks, T.	A.M.	White, H. G.	er.	Lindsley-Sims, A.	W. M.
BHaw, w. m.	A.M.	Whitby-		Martin, R. F.	A.M.
Taylor, A. E.	G.	English, LtCol. T.	M.	Peyton, W. C.	A.M.
Warwick-		Mitchell, J.	M.	Podesta, J. J.	A.M.
Lakin-Smith, C.	M.			Pollard, H. B. C.	G.
Oreutt, H. F. L.	M.	Whitehaven-		Price, A. E.	A.M.
		Hogarth, L. B.	A.M.	Robinson, J. A.	M.
Watford-	A TAT	\$171-141a D		Rosevere, G. R.	M.
Allen, C. E.	A.M. M.	Whitley Bay-	A 70.0	Smith, D.	M.
Blackburn, J.		Deane, G. I. N.	A.M.	Stubbs, H.	A.M.
Cridlan, J. L.	A.M. M.	Reed, J. W.	М.	Thompson, S. J.	M.
Paramor, J.	MI.	Wickham Market-	_	Trench, W. C. P.	A.M.
Wednesbury-		Whitmore, F. L.	M.	Thompson, S. J. Trench, W. C. P. Twentyman, H. E	. M.
Horton, L. W. Johnston, J. A.	A.M.		ata.		
Johnston, J. A.	A.M.	Widnes-		Wolverton-	
Micklewright, W.	M.	Gaskell, H., Jun. Lea, H. W.	A.M.	Abbott, A. E.	A.M.
Parsons, H. W.	A.M.	Lea, H. W.	G.	Mason, C. L.	A.M.
Platt, F.	M.	Williams, J.	A.M.	Wooburn-	
Platt, L.	M.	Williams, P.	A.M.	Harris, W. R. A.	A.M.
Smallman, H. S.	M.	****		Hairis, W. It. A.	A.H.
Spencer, T. H.	M.	Wigan-	. 3.5	Woodbridge-	
Standley, G. A.	A.M.	Bedford, W. H. Burge, J. F.	M.	Gort, A. H.	G.
Wellingborough-		Burge, J. F.	A.M.		
Fish, S. R.	M.	Can bor, A. Is.	A.M.	Woolwich-	4.35
Mather, G. R.	M.	Cotsworth, H. G.	A.M.	Barber, G. A. Brodie, G. W.	A.M.
		Naylor, Eng. Sub-	Lit.	Brodie, G. W.	M.
Wellington, Salop-		Demon E	G.	Butterworth, F. N	. A.M.
Kendal, A. B.	A.M.	Percy, F. Ross, J.	A.M. M.	Cattell, W. H. G.	A.M.
Wellington, Somer	eset-	Wolker F D	M.	Cattell, W. H. G. Cully, W. F. Dean, F. W. C.	A.M.
Wellington, Somer Sparkes, S. H.	M.	Walker, E. R. Walker, J. S.	M.	Dean, F. W. C.	M.
		Walker, J. D.	m.	Donaldson, Sir H. Edwards, R. G.	F. M. G.
Wembley-	7.5	Winchester-		Edwards, R. G.	G.
Begbie, S. D.	M. A.M.	Head, H. C.	M.	Elliott, J. R.	G
Clench, E. C. S.	A.M.	Light, R. E.	G.	Evans, A. L.	G. M.
Evans, J. H. Evans, J. H. B.				Hall, A. H.	M.
Evans, J. H. D.	G.	Winchfield-		Hartley, R. F.	
Hulme, W.	A.M.	Brand, W. D.	A.M.	Humphries, A. Hutchins, F. H.	A.M.
West Bromwich-		Windson		Lyddon, G. E.	A.M.
Bunn, C. W	A.M.	Windsor—	A TAT	MacLachlan, D. H	
Gurmin, E. W.	A.M.	Holden, P.	A.M.	Raven, V. L.	M.
James, A. A.	A.	Sainty, C.	M. M.	Roberts, G. H.	M.
Kenrick, Sir G. H.	М.	Taylor, E. Willis, G.	A.M.	Severs, J.	M.
Kentick, J. A.	IVI.	W 11118, Cr.	A.HL.	Travis. H.	M.
Poultney, E. C. Smith, P. P. O.	A.M.	Winscombe-		Severs, J. Travis, H. Tripp, G. W.	M.
Smith, P. P. O.	A.M.	Garrard, G. M.	M.	Turner, F.	M.
West Drayton-		Garrara, G. M.	TIT.	Wheatley, L. J. T.	
Goodman, J.	A.M.	Winsford-			
Thorne, H. H.	A,M,	Malcolm, G. W.	M.	Wootton Bridge-	
		mandam, or w.	ALL	Chatfeild Clarke,	L. M.
Westgate-on-Sea-	A 745	Witham-			
Quine, F. C.	A.M.	Leadbeater, W.	A.M.	Worcester-	
West Hartlepool-				Abell, C. E.	A.M.
Angles, J. W.	A.M.	Witney-		Hinchliff, J. A.	A.M.
Appleyard, F.	M.	Young, H. W.	A.M.	Lindley, H.	M.
Clarke, J. C.	M.			Lucy, A. J.	M.
Duthie, H.	G.	Woking-		Lucy, A. J. Scott-Lindsley, H	. L.
Gibb, M. S.	M.	Homan, H.	M.		A.M.
Williams, J. B.	M.	Johns, J. H.	M.	Spooner, A.	A.M.

Worcester Park- Stanbury, L. O.	G.	Wrotham— Bowker, A. F.	M.	Yeovil— Brown, A. M. Bruce, R. A.	M. M.
Workington— Armstrong, S. Chamberlain, H.	A.M.	Wylam— Bower, C. O.	A.M.	Clarke, A. V. Petter, P. W. York— Dow, J. W.	M. M.
Price, J. Sharp, R. Williamson, R.	M. M. M.	Wymondham— Hovell, H. E.	A.M.	Empson, A. W. Fleet, E. F. Fryer, F. G. Gibbs, J. E.	A.M. A.M. A.M. A.M.
Worthing— Thomas, G. A.	A.M.	Yarmouth, I.W Pyne, F. D.	A.M.	Purchas, A. W. Smeddle, J. H. Wilkie, G. M.	A.M. M. A.M.

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Athy-		Dalkey-		Limerick-	
	A.M.	Moores, J.	A.M.		
Bergin, J. J.	A.M.	11100105, 0.	A.H.	Elliott, C.	A.M.
Aughnaeloy-		Destate		Lee, S. E.	M.
Augunacioy	A.M.	Dublin-		White, P. T.	A.M.
Akerlind, G. F.	A.M.	Baird, D. G.	M.		
Pollymonov-		Challenger, G. R.			
Ballymoney-	3.0	Clegg, T.	A.M.	Maryborough-	
Bradshaw, G. T. M	. M.	Clegg, 1.		Maryborough-	1 75
Dale4		Clifford, C.	М.	Vanston, J. M.	A.M.
Belfast-	3.5	Conyngham, E. I	K. A.M.		
Blackburn, A. A.	M.	Cronin, R.	M.		
Bramwell, B.	M.	Crosthwait, J. L.		Moate-	
Brown, A. W.	M.			Goodbody, R.	M.
Drowing III N	A.M.	Dutton, C. H.	A.M.	accascaj, ze.	TIL.
Burke, T. N.		Fradley, H. T.	A.M.		
Burnside, F. I. M.	A.M.	Geoghegan, S.	M.	Wantestanna C. D.	
Chambers, R. M.	M.	Goodeve, T. E.	M.	Monkstown, Co. Di	ablin—
Clarke, T.	A.M.			FitzGerald, M. F.	M.
	M.	Hignett, A. H.	M.		
Cuming, G.		Hogg, W.	G.		
Davidson, J. S.	M.	Holliday, J.	M.	Mullingar-	
Davidson, S. C.	M.	Hutchinson, G.V.			A 3F
Eckford, J. W.	A.M.			Thorpe, C. W.	A.M.
	M.	Jeffcott, H. H.	M.		
Elliott, G.		Kennan, W. T.	A.		
Evans, W.	A.M.	Kettle, L. J.	M.	Newry-	
Ferguson, W. D.	M.	Lilly, W. E.	M.	Hardy, W.	M.
Grant, D. J.	A.M.			2202143, ***	JAK. e
Cront W	A.M.	MacGarvey, H.	M.		
Grant, W.		Mathews, P. E.	A.M.	Deute Jessey	
Howard, J.	M.	Morton, W. H.	\mathbf{M}_{\bullet}	Portadown—	
Hurst, C. B.	A.M.	Murphy, L.	A.	Edwards, J. G. B.	A.M.
Kempster, J. W.	M.				
Kirkwood, J. E.	M.	Preston, A.	A.M.		
		Prideaux, F. G.	A.M.	Queenstown-	
Knox, R. G.	A.M.	Ross, W.	M.		3.5
MacColl, H.	M.	Smythe, A. T.	A.M.	Elvy, T. E.	M.
Malcolm, B.	M.	Spence, A. W.	M.		
Moore, T. L.	M.	Spence, A. W.		Dohaus	
Michalass II D		Timmins, E.	A.M.	Raheny—	
Nicholson, H. P.	M.	Wakefield, W.	M.	Cairnes, F. E.	M.
Pratten, W. J.	M.	Warren, F. F.	M.		
Reynolds, W. F.	M.	Watson, E. A.	M.	- 42.2	
Riddell, H.	M.			Rathdrum—	
	M.	Wayte, H.	A.M.	Comerford, E.	A.M.
Travers, E. J.		Wayte, J. B.	A.M.		
Vernon, H.	A.M.				
Williams, J. L.	A.M.	Dundalk-		Sligo-	
Deschwarle		Denniss, A. W.	M.	L'Estrange, A. H.	C. M.
Bessbrook-				Li Estiange, A. H.	C. Mr.
Dowell, H.	A.M.	Glover, G. T.	M.		
Pnor		Williams, D. J.	M.	Ctuamanlan	
Bray-	20			Stranorlar-	
Cusack, H. E.	M.	Enniscorthy-		Livesey, R. M.	M.
Cork-		Davis, T. J.	A.M.		
	A BE	20110, 2.0.	ALLENA		
Fearnley, G. W.	A.M.			Waterford-	
Gray, G. M.	M.	Larne-		Barney, L. W.	A.M.
Grindley, Dr. J. H.	. M.	Ross, C.	A.M.		
Keyms, T. B.	M.	Sutherland, J.	A.M.	Ridgway, G.	M.
		Summing, 0,	22,444.		
McBride, J. S.	A.M.	T 11 - 3		YYZI olulovy	
Price. J.	M.	Letterkenny-		Wieklow-	C
Sunner, J. H.	M.	Fleming, S. H.	G.	Crofton, E. V. M.	G.

SCOTLAND.

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Aberdeen-		Dundee (cont.)-		Glasgow (cont.)-	
Aitken, J.	A.M.	Dundee (cont.)— Orr, C. R.	M.	Chalmers, J. R.	A.M.
Bell, J. A.	M.	Parsons, T. G.	A.M.	Clark-Neill, J.	A.
Coutts, D. A.	A.M.	Richardson, H.	M.	Clarkson, J.	M.
Ewen, J. T.	M.	Sturrock, J. F.	A.M.	Coates, J.	A.M.
Groundwater, A. G.	. A.M.	Sumner, G. G.	A.M.	Cochrane, J.	M.
Horne, Prof. A. R.	A.M.	Edinburgh-		Cook, G. N.	M.
Kennedy, W.	A.M.	Andrews, F. E.	A.M.	Cormack, Prof. J. D). M.
MacKinnon, A.	A.M.	Andrews, F. E. Arnold, W.	M.	Cotton, C. C. C.	M.
McKinty, J. Mitchell, G.	G.	Beare, Prot. T. H.	M.	Couper, S. Cowie, J. R.	M.
Mitchell, G.	A.M.	Berry, T. Bloor, E. H.	A.M.	Cowie, J. R.	A.M.
Mowat, T.	M.	Bloor, E. H.	A.M.	Dixon, J.	A.M.
Nicol, R. G.	M.	Bruce, A. C. A. Clark, T. A.	G.	Dixon, W.	M.
Robertson, D. Shepherd, F. J.	G.	Clark, T. A.	M.	Drummond, G. W. Dudgeon, H. A.	M.
Shinnie, P. N.	A.M.	Clarkson, C. Colam, W. N.	M.	Dudin, H. W.	M.
Stormont, P. C.	M.	Colam, W. N.	M.	Duncan, G. T.	M.
Stormont, P. C. Thomson, J. W.	A.M.	Crawford, G. W. Dodds, A. F.	M.	Duncan, G. T. Duncan, W. J.	G.
		Dodds, A. F.	A.M.	Forster, A. L.	M.
Airdrie—	M.	Frew, D. B.	M.	Forster, A. L. Fulton, N. O. Gibson, G. H.	M.
Chisholm, J. Smith, J.	A.M.	Fripp, S.	M.	Gibson, G. H.	M.
	24. DL	Gibbons, W. G. Gordon, W.	A.M.	Gillespie, J.	M.
Alloa-		Gordon, W. Goudie, H. J. Guest, E. G.	A.M.	Goodman, Prof. J.	M.
Singleton, S. M.	A.M.	Guest E.G.	A.	Goudie, R.	M.
Annan-		Guthrie, T. Jones, C. H.	A.M.	Goudie, R. Hamilton, W. D. Harland, H. P.	M.
Campbell, J. A.	A.M.	Jones, C. H.	A.M.	Harland, H. P.	M.
			A.M.	Harvey, R.	A.M.
Arbroath-	7AT	Purves, W. T.	A.M.	Henderson, R.	A.M.
Fraser, P.	M.	Shearer, W. Smith, J. W.	A.M.	Holloway, J.	A.M.
Ayr-		Smith, J. W.	M.	Home-Morton, D. Houghton, G. O.	A.M.
Marshall, R. Murray, W. R.	A.M.	Stanneld, Prof. R.	M.	Jacks, T. W. M.	M.
Murray, W. R.	A.M.	Sutherland, D.	A.M.	Jackson H. D.	M.
Sommerville, A.	A.M.	Thomson, G.	M.	Jackson, H. D. Jones, J. W. L.	A.M.
Bellshill-		Todd, J. B.	A.M.	Kirby, E. J.	A.M.
Steele, R. M.	G.	White, J. D.	A.M.	K DOY, B.	A.M.
Broughty Ferry-		Wood, R. T.	G.	Lackie, W. W.	M.
Gibson, Prof. A. H.	. M.	Falkirk-		Lackie, W. W. Laird, S. M.	A.M.
_	alk.	Robertson, G. F.	M.	Lang, r.	M.
Carron—	A 70.0	Robertson, R. S.	G.	Lascelles, T. S.	G.
Hamilton, T. F.	A.M.	Classer		Lawson, F. M.	A.M.
Coatbridge-		Glasgow- Adams, P. W.	A.M.	Lemkes, C. R. L. Longbottom, Prof.	T CA.
McGregor, J.	A.M.	Aitken, H. W.	M.	Longbottom, Fron.	M.
Smith, J.	М.	Alley, S. E.	M.	Lorimer, A. S.	M.
Strathern, A. G.	M.	Anderson T	A.M.	McCallum, W. A.	A.M.
Corstorphine-		Arnold, A. A.	A.M.		M.
Wight, J. T.	A.M.	Arnot, W.	M.	McGuffie, D. W.	M.
		Aspin, J.	M.	McGuffle, H. A.	M.
Dumbarton— MacQueen, J.	M.	Bain, W. N.	M.	McGuffie, D. W. McGuffie, H. A. McIntyre, J. H. A. MacIntyre, N.	M.
Paul, M.	M.	Barelay, A. W.	M.	MacIntyre, N.	M.
Short, W. L. E.	M.	Arnold, A. A. Arnot, W. Aspin, J. Bain, W. N. Barclay, A. W. Barman, H. D. D.	M.	MRCKellzie, It. A.	A.M.
		DEIT, FIUL 24	M.	Mackie, W. A.	M.
Dumfries-		Baxter, G. H. Baxter, P. M. Beale, S. R.	M. M.	Mackie, W. A.	M.
Hutchison, H.	A.M.	Baxter, P. M.	M.	MacKirdy, J. H.	M.
Rigby, T.	M.	Beardmore, Sir W.	M.	McNeil, J.	M.
Spence, W. L.	M.	Boyd, J. W.	M.	Mellanby, Prof. A. Menzies, J.	M.
Dundee-		Brown, B. H.	A.M.	Millar, J.	M.
Anderson, J. K.	M.	Brown, R. M.	A.M.	Millar, T.	M.
Cole, H.	A.M.	Browning, G.	A.M.	Millar, W. P.	A.M.
David, G. C.	A.M.	Buchanan, G.	A.M.	Miller, J. W.	A.M.
Greig, J. S.	\mathbf{M} .	Buckwell, G. W.	M.	Moody-Stuart, A.	M.
Lindsay, R. Low, W.	M.	Bulwer, E. H. E.	M.	Mowbray, A. H. Mowll, H. S.	A.M.
Low, W.	M.	Burgess, F. W.	A.M.		A.M.
MacDonald, D. J.	M.	Burns, J. A.	M.	Munro, H.	M.
MacDonald, W. R.	A.M.	Burnside, G. B.	A.M.	Munro, R. D.	M.
McGregor, W. McNicoll, W.	A.M.	Caldwell, P. S.	A.M.	Neilson, R. M.	M.
McPherson J	A.M.	Campbell, J. W. Campbell, W. W.	M.	Nesbitt, A. W. Ness, G.	M. M.
McPherson, J. Murray, P. B.	M.	Cartmell, J. M.	A.M.	Norris, R. N. B.	A.M.
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CI-		_			
Glasgow (cont.)-	~ -	Inverurie-		Paisley—	
Pickering, J.	M.	Heywood, T. E. H.		Adams, A. C.	A.M.
Powell, L. H.	M.	Urquhart, G. W.	A.M.	Barr, J. A.	A.M.
Reid, A. T.	M.			Bow, W.	M.
Reid, H.	M.	Kilmarnoek-		Cooper, E. L.	M.
Reid, James	M.	Drummond, P.	M.	Glen, D.	A.M.
Reid, John	M.	Kennedy, T.	M.	Hislop, G. R., Jun.	A.M.
Reith, J. C. W.	G.	Manson, J.	M.	McLachlan, J.	M.
Richardson, J. S.	M.	Millar, A.	A.M.	Neilson, A. M.	G.
Richmond, J. R.	M.	Smith, D.	A.M.	Parkinson, C. F.	_ M.
Robertson, A. M.	A.M.	Watson, J.	M.	Seneviratne, G. D.	
Rogerson, T. B.	M.	, , , , , , , , , , , , , , , , , , , ,		Tannett, J. C.	М.
Royds, R.	A.M.	Kinghorn-		Walmsley, J.	M.
Salmond, H.	A.M.	Hutton, W. M.	M.	Wilson, R. W.	A.M.
Scott, R.	A.M.	Harron, W. M.	ALL.	Perth-	
Shanks, W.	M.	Vinlashlavan		Cuthbert, F.	A.M.
Sharp, J.	M.	Kinlochleven-	M.	Pullar, A. E.	M.
Sibbald, T. K.	M.	Tod, R. P.	MI.		111.0
Stewart, G.	M.			Queensferry-	
Stewart, J.	M.	Kirkealdy—		Dowling, W.	A.M.
Thomson, J.	M.	Bonar, R.	G.	Renfrew-	
Tullis, D. K.	M.	Douglas, C. E.	M.	Brown, W.	M.
Turnbull, A.	M.	Dykes, J.	M.	Lobnitz, F.	M.
Warden, K. W.	A.M.			McLaren, R. A.	M.
Watson, H. A.	A.M.	Lasswade-		Young, W. A.	M.
Watson, J.	A.M.	Tod, J. D.	A.M.	0,	M.
Weir, W.	M.			Rosyth—	
Whyte, K. M.	G.	Y in success of		Edge, T.	A.M.
Wilson, W. H.	M.	Linwood—	A 3/1	Plant, D. T.	A.M.
Wood, R. G.	M.	Notley, R. H.	A.M.	Shirley, F.	A.M.
Young, G. A.	M.			Stevenston-	
Young, H. W.	A.M.	Maybole—		Currie, G. M.	M.
Young, J. G.	A.M.	Don, J.	A.M.		ALL.
Young, T.	M.			Stirling—	
-		Meikleour-		Papworth, J. W.	A.M.
Greenock-		Barty, A. D.	· M.	Stonehaven-	
Blake, M.	M.	Dairby, A. D.	III.	Crabb, T.	A.M.
Graham, W.	M.			Woods, E. W.	A.M.
Lord, F.	A.M.	Mid-Calder-			22,020
Park, P. M.	A.M.	Bryson, J.	M.	Thornhill—	
Smart, R. H.	M.			Kennedy, C.	M.
**		Motherwell-		Thorntonhall-	
Hawick-		Cameron, T. M.	A.M.	Herriot, W. S.	M.
Robson, A.	A.M.	Jack, A.	M.	11011100, 11. 50	212.0
		Mackenzie, T. B.	M.	Troon-	
Invergordon-		Shield, J. B.	A.M.	Love, R. T.	M.
Corbett, A. J.	M.	Bulliu, J. D.	ALO IIA		
7				Wishaw-	3.0
Inverness-		North Berwick-		Morton, T. M. G.	M.
Porter, E. W.	A.M.	McTurk, A. G.	M.	Steele, J.	M.

WALES.

Aberdovey— Chambers, E. H. Aberfan— Marsh, C. L. Bangor— Needham, R. A. Barry— Auld, J.	A.M. A.M. A.M.	Briton Ferry— Brown, H. Schwenk, F. L. Burry Port— Barr, G. Eager, J. Gill, F. J. Smillie, J.	A.M. A.M. A.M. A.M. A.M.	Cardiff— Abbott, S. W. Bacon, Prof. F. Bush, A. G. Cambridge, H. Cameron, D. E. Cameron, J. Chamen, W. A. Chivers, S.	A.M. A.M. A.M. M. A.M. M. M. M.
Owen, S.	G,	Bwlch— Ashworth, H.	M.	Crow, L. Cryer, A.	M. M.
Beaumaris— Mills, F. Bridgend—	M.	Caerleon— Richards, E. W.	М.	Cryer, T. B. Curran, E. Dawson, E.	A.M. M.
Goddard, W. C. Richards, W. J.	A.M.	Caerphilly— Riches, C. T. H.	M.	Day, B. J. Dobbs, H. T.	M. A.M.

Cardiff (cont.)—		Clydach, Glam		New Quay, Card	
Ellis, A.	М.	Edleston, A. E.	A.M.	Lloyd, R.	M.
Evans, D. L.	M.	Hawkins, H. C.	A.M.	Pembroke Dock-	
Flindt, E. J.	M.	Ratcliffe, H. E.	A.M.	Morrell, Lieut. G. 1	VI.
Hambly, W. M.	G.	Colwyn Bay-		Biorion, Biede. G. 2	A.M.
Hammett, D. H.	A.M.	Cottrell, S. B.	M.	Penarth-	22.02.
Harris, L. A. P.	G.	Mitchell, T., Jun.	A.M.	Edwards, H. F.	M.
Hart, H. A.	A.M.		M.	Wrightson, W. P.	M.
Haslam, S. B.	M.	Neil, A.	III.		
Hick, C.	A.M.	Dolgelley-		Penrhyndeudraeth	
Hope, A.	M.	Harrison, H. A.	M.	Kellow, M.	M.
Hosgood, O. S.	M.	Elebert Wele		Pontypridd-	
Johnson, E. V.	A.M.	Ebbw Vale-	A.M.	Sprague, J. E.	A.M.
Jones, F.	M.	Baskerville, W. S.			A.M.
Jones, P. L.	A.M.	Mills, F.	M.	Swain, E. H.	M.
Jordan, C. W.	A.M.	Garnant-		Thomas, A. L.	201.
Jordan, E.	M.	Beanland, H.	A.M.	Port Dinorwic-	
Lewis, W. T. W.	G.			Pritchard, H.	M.
Madden, H. D.	A.M.	Gorseinon-	3.6	Dantmadaa	
Marquand, A. J.	M.	Butler, J.	M.	Portmadoc-	A.M.
Mills, A. E.	A.M.	Gowerton-		Isaac, M. T.	A. IVA.
Monroe, R.	M.	Chivers, F. E.	AM.	Port Talbot-	
Morris, S. J.	G.			Deer, G. G.	A.M.
Patterson, A.	M.	Holywell—	2.5	Hertz, A. H.	M.
Priestley, C. G.	A.M.	Browne, T. B.	M.	Richards, F.	A.M.
Proctor, C. F.	M.	Llandudno-		Roberts, H. J.	M.
Reed, T. A.	M.	Farrington, C. F.	A.M.		
Reese, A. K.	M.		22,212,	Rhondda, Glam.	. 25
Reynolds, B.	A.M.	Llanelly-		Davies, J. S.	A.M.
Reynolds, Eng. Lie		Burn, A. J. H.	M.	Jones, C. L.	M.
W. H.	M.	Stevenson, J. J.	M.	Price, J.	A.M.
Roberts, D. E.	M.	Thomas, R. B.	\mathbf{M} .	Rhyl-	
Scott, W. A.	M.	NF 43 M 7 19		Price, J. B.	M.
Sharp, F. S.	A.M.	Merthyr Tydvil-	1 35	11100, 5. 15.	ALL.
Sibbering, G. T.	M.	Hughes, F.	A.M.	Ruabon-	
Stanfield, J. R. M.	A.M.	Milton-		Allan, A. B.	A.M.
Stevenson, G. M.	M.		A.M.	Berkeley, T. D. Cunliffe, W. W.	A.M.
Stretton, T.	M.	Layard, A. R.	21.31.	Cunliffe, W. W.	A.M.
	A.M.	Mold-		Phillips, O'M. F.	A.M.
Swan, E. M.	G.	Buddicom, H. W.	M.		
Thompson, H.		Daddicom, In III	Alter	Swansea-	1.25
Wayne-Morgan, J.	M.	Morriston-		Benson, H. K.	A.M.
Whittell, A. L.	A.M.	Jenkins, D. N.	A.M.	Burr, J. W.	A.M.
Williams, C.	A.M.			Davies, W. D.	A.M.
G 1:		Mountain Ash-	1 35	Dayson, W. O.	M.
Cardigan-		Harliss, W. L.	A.M.	Drury, H. J. H.	A.M.
Matthews, W. E.	M.	Namport Wor		Hill, T.	A.M.
		Newport, Mon	4 34	Jackson, J.	A.M.
Carmarthen-		Abraham, G.	A.M.	James, W. L.	A.M.
Arthur, H. H.	A.M.	Gibson, H. F. H.	M. A.M.	Morgan, F. J.	A.M.
Isaac, G. B.	A.M.			Noot, W. W.	A.M.
		Howell, A. E.	A.M.	Peel, C. E.	M.
Carnaryon-		Ingram, A. H.	A.M.	Prusmann, C. A. L.	. A.M.
Haves, J.	M.	Peaker, A.	A.M.	Roberts, T.	A.M.
Williams, R. A.	A.M.	Pearson, T. W.	M.	Wright, J. R.	M.
Allicoland, Ast The	ALCOHOL:	Stevens, A. J.	M.	Whowhom	
Charallean		Stow, G.	A.M.	Wrexham-	M.
Chwilog -	4 3/5	Townend, S.	M.	Matthews, J.	
Ellis, M. I. W.	A.M.	Trimmer, W.	M.	Pickvance, W. G.	A.M.

CHANNEL ISLANDS.

Guernsey— Atherton, E. S. A.M.

Jersey-Robin, F. A. G. M.

NAVAL ENGINEERS,

ON FOREIGN SERVICE (EXCLUSIVE OF THOSE AT HOME).

Andrew, Eng. Comm.
G. E. M.
Burt, Eng. Sub-Lt.
J. W. E. A.M.
Clarke, Eng. Lt. G. P.
AM.
Cooke, Eng. Lt
Commr. S. W. A.M.
Damant, Eng. Lt
Commr. W.S. M.
Ferguson, Eng. Lt.
J. H. A.M.
Gordon, Eng. Lt
Commr. H. H. A.M.
Green, Eng. Commr.
D. P. M.

Gush, Eng. LtComn	
	.M.
Hall, Eng. Comm.	
W. B.	M.
Hamilton, Eng. Lt. J.	M.
Harold, Eng. Lt	
Commr. H. F.	M.
Hugill, Eng. Lt. R.	
	.M.
Lawrence, L. E.	G.
Lewis-Heath, Eng.	
LtCommr. F. J.	M.
Malan, Eng. Lt. L.	
	.M.
Marshall, Eng. Comn	1.
F. W.	M.

Newman, A. R. A.M.
Nicholson, Eng. Lt
Commr. J. B. M.
Pudner, Eng. Lt. W.
H. A.M.
Skelton, Eng. Comm.
R. W. M.
Skilling, Eng. Lt. F. G.
A.M.
Start, Eng. Lt. S. P. M.
Stephens, R. R. A.M.
Venning, Eng. Lt. A. J.
A.Mi.

FOREIGN COUNTRIES.

AFRICA.

ALGERIA-	Cape Town—		Middleburg-
Algiers-	Anderson, P.	M.	Keegan, G. H. A.M.
Griffith, T. H. M.	Barlow, C. R.	A.M.	
	Beatty, H. M.	M.	Naaupoort-
Bougle-	Cartwright, I. R.	G.	Adams, A. J. G.
Thomas, H. B. M.	Clunas, J. W. S.	A.M.	Oudtshoorn-
	Cochrane, J.	A.M.	
BELGIAN CONGO-		A.M.	Castle, F. A.M.
Elisabethville-	Cooper, H. C.		Wertheim, M. A.M.
	Gearing, H. C.	A.M.	Port Elizabeth-
Smith, C. A. A.M.	Gibbs, J. H.	M.	Mangold, C. A. A.M.
Kinshasa-	Hemer, W. H.	A.M.	Sankey, B. M.
Gavin, N. A. A.M.	Hendry, R. B.	M.	
Odvill, 21, 21,	McMillan, D.	A.M.	Titren, G. E. de K. A.M.
DDIM WACH AND TO A	Oakden, R. B.	A.M.	Queenstown-
BRIT. EAST AFRICA-	Perry, T. W. W.	M.	Hogg, J. T. A.M.
Chania Bridge-	Pickering, F.	M.	
Cook, J. M.	Shaw, C. F.	A.M.	Stellenbosch—
	Weaver, W. G.	A.M.	Hamlin, E. J. A.M.
Entebbe, Uganda-			Tarkastad-
Snelgrove, E. C. G.	Cradock-		Miller, H. W. M.
Jinga-	Hawkins, J. C.	A.M.	Biller, H. W. M.
Holl, W. E. M.	Newman, R. W.	M.	Zwartkops—
HUII, W. E. HI.			Allison, O. M.
Nairobi-	East London-		200
Bremner, B. L. G.	Baynes, F. W.	M.	EGYPT—
Hudson, G. M.	Murray, H. H.	A.M.	
Millett, C. W. A.M.	Ringrose, A.	A.M.	Alexandria-
Price-Williams, S. W. M.	Westley, A. W.	M.	Alderson, C. A. H. M.
		2000	Alderson, G. A. M.
Vol—	Grahamstown-		Alderson, G. B. M.
Le Pla, F. G. R. A.M.	Morrison, F. T.	M.	Blagden, H. R. C. M.
	Kalk Bay-		Elsworth, J. F. M.
CANARY ISLANDS-		M.	Lamb, F. S. M.
	Hambly, J.	IVI.	Sabet, M. G.
Las Palmas—	Kimberley-		Tennant. A. M. A.M.
Barba, A. G. A.M.	Berry, W.	A.M.	Wilkins, F. T. G.
Hay, J. A. M.	Harbottle, J.	M.	,
	Maelennan, H. V.	A.M.	Atbara-
CAPE COLONY—	Richards, J. G.	A.M.	Longfield, Capt.W. E. M.
Calitzdorp-	Simpson, H.	A.M.	Bir-Hooker-
	Watson A C	A.M.	
Garratt, R. J. A.M.	Watson, A. G.	A.M.	Paterson, W. A.M.

Cairo-	2.0	Mount Edgecombe-	-	Johannesburg (cont.)-
Austin, J. M.	M.	Simpson, J. R. H.	M.	Clayden, H. W.	A.M. M.
Baker, A. Bowden-Smith, E. (A.M.	Pietermaritzburg-		Cowell, J. R.	A.M.
Dale, T. J.	G.	Duncan, W.	M.	Daintree, T. E.	M.
Dale, T. J. Davis, H. W.	M.	Stobie, G. White, E. B.	M.	Cruddas, W. J. Daintree, T. E. Davies, J. H. Davis, C. R. S.	M.
Dewidar, M. F.	G.		A.M.	Davis, C. R. S.	A.M.
Fendian, A. A. Fletcher, W. C. Gibbons, J. W.	A.M.	Port Natal— Shadwell, L. H. A.		Denham, J. Dobson, J. H.	M.
Fletcher, W. C.	M.	Shadwell, L. H. A.	A.M.	Dobson, J. H.	M.
Gibbons, J. W.	A.M.	Thomson, G.	M.	Dowson, R. M.	A.M.
Grant-Morris, W. H	A.M.	Tongaat-		Dowson, R. M. Dutton, F. H. Fowler, P. M.	M.
	A.M.	Murray, J.	A.M.	Furnivall, W. H.G.	A.M.
	A.M.	NYASALAND-		Hosken, R.	M.
Montague, G.	M.			Ingham, W.	M.
Nosrat, M. R.	G.	Chalmers, A. S.	A.M.	Jones, R.	A.M.
Peach, C. E. C.	A.M.		ALIMA.	Laity, H. T.	A.M.
Sayer, S. Smith, T. H.	A.M. M.	ORANGE RIVER		Linscott, A. B. McLaren, W. A.	A.M. M.
and the same of th	III.	COLONY—		Middleton, H. H.	M.
Delta Barrage-	4 35	Bloemfontein-	20	Newman, A. D.	A.M.
Marr, W. K.	A.M.	Bishop, W. G.	M.	Newman, A. D. Orr, Prof. J. Potter, H. S.	M.
Esneh-		Hatchard, J. G.	M. A.M.	Potter, H. S.	M.
Higgs, H. J.	A.M.	Reid, F. Taylor, A.	A.M.	Reunert, T.	M.
Giza-		12y101, 21.	dr.m.	Reynolds, H.	M.
Omar, A. M.	A.M.	PORTUGUESE S.V	٧.	Ritchie, A. M.	A.M.
Shearer, W. V.	M.	AFRICA—		Shermer, H. L.	M.
Helouan-		Angola— Clark, W. D.		Smith, S. Snow, W. R.	A.M.
Drewitt, G. D.	M.	Clark, W. D.	\mathbf{M} .	Stigant, G. A.	A.M.
Moharram, M. A. E. I	L. G.	RHODESIA-		Stigant, G. A. Stokes, F. T.	M.
Kafr-el-Cheikh-				Stowe, G. S.	M.
Sidahmed, M. S.	G.	Bulawayo— Begbie, S. S.	A.M.	Sturrock, F. C.	A.M.
man .		Fletcher, H. C.	M.	Swindells, H. C. Templer, H. L. Tester, W. A. Thorpe, H. T. E.	A.M. M.
Khartoum—	A.M.	Furness, R. L.	A.M.	Toston W A	M.
Addison, F.	A.M.	Houseman, C. L.	M.	Thorne, H. T. E.	A.M.
Fawkes, R. E. F.	A.M.	Hynd, J.	M.	Tweedy, A. C.	M.
Rhodes, S. C.	A.M.	Issels, H. G.	G.	Vanghan, J. A.	M.
Williams, J. E.	A.M.	Jeffreys, R. R. V.	A.M. A.M.	Way, E. J. West, F. B.	M.
Port Said-		Johnson, G. Macdonald, J. R.	A.M.	West, F. B.	A.M.
Haswell, J. F.	A.M.	Parker J. E.	M.	Wilson, L. H.	A.M.
Sohag-		Schoffeld, F. J.	A.M.	Weight F.C.	M. A.M
Saad-el-Dine, A. F.	G.	Parker, J. É. Schofield, F. J. Uttley, E. A.	A.M.	Wright, F. C. Yule, J. A.	M.
		Gwelo-		1 410, 5 . 21.	312.4
Suez— Spinks, J. J.	A.M.	Weston, R. O.	A.M.	Kinross—	
-	A.M.			Tracy, H. W.	A.M.
Tantah—	. 7.5	Groves, M.	A.M.	Leeuwpoort-	
	A.M.		ateatte.	Begbie, T.	A.M.
Langton, J. M. E.	M.	Salisbury-	3.5		
Zagazig-	4.75	Epton, W. M.	M. A.M.	Middelburg-	A TAT
Peacock, J. B.	A.M.	Warton, R. G. F.	abolth,	Begbie, W. Mackintosh, R. D.	A.M.
MADEIRA-		Umtali—	A 76		-Acath.
Marsden, C. H.	M.	Brooks, G.	A.M. G.	Modderfontein-	. 25
maisuen, C. II.	.51.	Hosgood W I	M.	Birkett, P.	A.M.
MAURITIUS-		Gibson, K. J. Hosgood, W. J. Methuen, J. A.	A.M.	Nylstroom-	
Port Louis—		Robson, G.	M.	Prance, C. R.	A.M.
Dykes, A. J.	M.				
		TRANSVAAL-		Potchefstroom—	A TAT
NATAL-		Bethal-		Cleghorne, W.S.H.	A.M.
Durban-		Stephenson, A. H.	M.	Premier Mine-	
Gray, J. W. Hall, J. C.	A.M.	Boksburg-		Pack, A. E.	M.
Hall, J. U.	M. M.	Pittar, A. V.	A.M.		
Hearn, C. H. Lea, J. T.	A.M.			Pretoria—	A.M.
MactiregorInn	A.M.	Johannesburg- Alexander, W.	A.M.	Donnelly, J. Kanthack, F. E.	M.
MacNay, A.	M.	Andrews, G. S. B.	M.	and the same of th	
Milne, W.	M.	Bayley, J. P.	A.M.	WEST COAST	
MacNay, A. Milne, W. Neal, J. H.	A.M.	Andrews, G. S. B. Bayley, J. P. Briggs, H. Burden, A. G. Calder, W.	M.	WEST COAST-	
rarungton, J. S.	G.	Burden, A. G.	A.M.	Abeokuta-	A.M.
	A.M.	Cannon P	M.	Barwick, H. J.	A.M.
·· HITTING II. II.	A. MI.	Cannon, R.	A.M.	Noble, G.	and the

Accra— McLaren, H. Pettit, C. W.	A.M. M.	Lagos— Anson, J. A. Bonell, T. H. M. Bressey, C. E.	A.M. M. M.	Port Harcourt— Discombe, A. H. Holmes, R. B. W. Otway-Ruthven,	G. M.
Frankau, G. N. Freetown—	A.M.	Carr-Gomm, M. C. Henderson, W. Hewson, C. L. B. Nell, L.	A.M. A.M. M. A.M.	т. о. в.	A.M.
Espeut, R. W. A. Stone, A. A. P. D. Ibadan— Hornby, C.	A.M. A.M.	Owen-Griffiths, W. Smith, E. T. Lomé— Allison, W. F. D.	A.M.	Sekondi— McJerrow, T. Morrison, J. S. Smith, S. W.	A.M. M. A.M.

AMERICA (CENTRAL).

BRITISH HONDURAS— Stann Creek— Allison, W. E. A.M.	Tampico— Bennett, P. M.	A.M.	Grenada— McQueen, J. C.	M.
GUATEMALA— Pantaleon—	WEST INDIES— Antigua— Dew, J. T. Stretch, C. K.	A.M.	Jamaica— Aitken, R. R. Griggs, W. J.	A.M. M.
Forsyth, W. A.M. MEXICO—	Barbados— McLaren, W. Rodger, J. B.	M. A.M.	Porto Rico— Graham, R. St. Lucia—	М.
Mexico City— Carter, H. F. M. Gelling, J. W. M. Russell, F. W. M.	Simpson, D. G. Simpson, N. de L.	A.M.	Harris, W. A. Santo Domingo—	A.M.
Ward, A. M. Williams, A. Minatitlan— Bayley, F. J. A.M.	Keyworth, T. E. Knight, G. E. Knight, W. E. Murchison, K. Pettit, H. C.	M. A.M. M. A.M. G.	Steel, T. J. Trinidad— Bruce, F. T.	A.M.

AMERICA (NORTH).

BRIT. N. AMERICA-	Hydroglen, Ont		Pense, Sask	
	Mackintosh, J.	A.M.	Staveley, D. D. A.M.	
British Columbia-		221 2021		
Anderson, H. M.		4 70 5	Regina, Sask.—	
Bailey, H. C. A.M.		A.M.	Elborne, E. M. A.M.	
Brockley, C. W. A.M.			St. John, N.B	
Donaldson, J. A.M.		A.M.	Bayfield, H. A. M.	
Du Cane, C. G. A.M.	Longueuil Q -		Daylleid, H. A.	۰
Duncan, M. G. G	Humm, G. H.	A.M.	St. Lambert, Q.—	
Jefferson, H. F. A.M.		Zi. Dil.	Clarke, J. E. A.M.	
Kay, J. D. A.M	Moneton, N.B.	2.5		
Lewis, P. A. A.M.	Joughins, G. R.	M.	Schumacher, Ont.—	
Maclean, W. E. A.M.	Montreal-		Mills, J. A. M.	0
Mathieson, W. A.M.	Aldworth, E. H.	A.M.	Timmins, Ont	
Pollock, C. A. A.M.	Brown, F. A.	G.	Watson, J. C. A.M.	
Scott, J. B. G.	Cronk, N.T.	A.M.	Toronto-	
Stewart, C. A.M.	Jenkins, D. W.	G.	Conway, G. R. G. M.	
Thomson, W. G. H. A.M.	Newill, G. E.	A.M.	Dowson, E. C. H. A.M.	
Tomkins, J. A. M	Parry, C. W.	A.M.		
Walkem, G. A. A.M.		M.		
	Swan, A. D.	M.		
Calgary—	Vaughan H H	M.	Haggas, W. S. A.M.	
Jackson, R. C. M	Vyall, L. E.	G.	Hill, A. G. A.M.	
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Cooper, A. G. W. I	. A.M.	Punta Arenas-	. 75	Puerto Cabello-	A 3/
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Lincheng	Bandikui	M. Marshall, N. M. A.M.
Kwang, K. Y.		M. Marshall, N. M. A.M.
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Taku—	Maitland, A. A.	M. Williams, A. E. A.M. Williamson, A. E. A.M.
Thomson, J. C. A.M	Maitland, A. A.	M. Williams, A. E. A.M. Williamson, A. E. A.M.
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Taku— Gaston, A. B. M Tientsin— Gilchrist, J. A. R. G. A. M Knowles, G. S. A. M March, H. A. M INDIA— Agra— Patel, H. R. Thornely, G. H. M Ahmedabad—	Maitland, A. Bhavnagar— Blagrave, J. W. B. Mirza, P. D. Amor, C. T. Aspden, H. L. Baker, Prof. P. M. Bale, J. H. F. Bell, A. M. Bennett, H. B. Bigg-Wither, L. Broadhurst, F. A. A.	M. Williams, A. E. A.M. Williamson, A. E. A.M. M. Willis, Major G. H. M. M. Wise, G. M. Wood, H. A. A.M. M. Woods, E. E. Yates, D. R. M. A.M. M. Borjuli— Witherington, C. H. A.M. M. Borsad— Patel, M. B. A.M.
Taku— Gaston, A. B. M Tientsin— Gilchrist, J. A. R. G. A. M Knowles, G. S. A. M March, H. A. M INDIA— Agra— Patel, H. R. Thornely, G. H. Ahmedabad— Divecha, R. N. M	Maitland, A. Bhavnagar— Blagrave, J. W. B. Mirza, P. D. A. Bombay— Anor, C. T. Aspden, H. L. Baker, Prof. P. M. Bale, J. H. F. Bell, A. M. Bennett, H. B. Bigg-Wither, L. Broadhurst, F. A. Bumpus, B. E. A. Bumpus, B. E.	M. Williams, A. E. A.M. Williamson, A. E. M. M. Willis, Major G. H. M. Wood, H. A. M. Wood, H. A. M. Woods, E. E. A.M. M. Woods, E. E. A.M. M. M. Borjuli—Witherington, C. H. A.M. M. M. Borsad—M. Patel, M. B. A.M. Budge Budge—
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Calcutta (cont.)-		Chittagong-		Jalpaiguri-	
Craig, R. G.	A.M.	Hawkins, R. S.	M.	Bates, G. E.	G.
Donald, A.	A.M.	James, A.	M.	Jamalpur-	
Easton, R. S.	A.M.	Coimbatore-		Huddleston, G. R.	G
Ellis, J., Jun.	A.M.	Barrett, C. E. M.	A.M.	Huddieston, G. Iv.	A.M.
Elton, S. G.	M.		Z.L. Z.L.	Radley, B. V.	M.
Evans, D. E. Everett, W. H. Fish, J. W. B. Flatt, L. N. Forbes, W. G. L. S.	M.	Colombo— Benzie, J. G. Boak, W.			
Everett, W. H.	M.	Benzie, J. G.	A.M.	Scrivener, R. S. R.	M.
Fish, J. W. B.	A.M.	Boak, W.	M.	Tomes, W. J. Wood, H. A.	M.
Flatt, L. N.	A.M.	Bradley, G. T. Burnett, W. R. Cox, W. T. Creasy, H. T.	M.	ma i a	ш.
Forbes, W. G. L. S.	M.	Burnett, W. R.	M.	Jhansi—	
Galloway, J. Gaunt, J. W.	A.M.	Cox, W. T.	A.M.	Hennessy, C. P.	A.M.
Gaunt, J. W.	A.M.	Creasy, H. T.	A.M.	Jodhpur-	
George, J. M.	A.M.	DOURIH, H. J.	A.M.	Drummond, G. R.	M.
Hendry, C. A. J.	A.M.	French, FC.	A.M.		474.4
Houston, R.	A. M.	Gray, J.	A.M.	Jubbulpore—	
Ironside, W. A.	A.M.	Hoare, H. J.	A.M.	Hirst, W. D.	_A.M.
Jacob, H. F. D.	A.M.	Howard, C. F.	A.M.	Penwarden, C.W.	н. м.
Kettle, C. H. P. King, Prof. C. A.	A.M.	Hutson, C. A.	A.M.	Kamarhati—	
King, Prof. U. A.	A.M.	Hyde, G. H. M.	M.	Wale, N. W.	A.M.
Lawton, R. W.	A.M.	Jayawardena, T. (ż. W.		
Leslie-Bredée, G.	A.M.	. T: G	A.M.	Kanchrapara-	A 76
Limpus, A. E. J.	M.	Jinasena, C.	A.M.	Gundry, A. R. Harnett, W. F. Mitchell, W. G.	A.M.
Maciver, R. G.	M.	Johnson, S. B.	G.	Harnett, W. F.	M.
MacLeod, N.	A.M.	Johnne, C. H.	A.M.	Mittenell, W. G.	M.
MacIver, R. G. MacLeod, N. Mathews, E. G. D. Mertens, J. T.	A.M.	Jolliffe, C. H. Milne, R. A. Morris, R. G.	A.M.	Kanknarrah—	
Mertens, J. T.	M.	Morris, R. G.	A.M.	Mudie, D.	A.M.
Morris, R. H.	M.	Pearson, A.	A.M.		
Mosden, F. C.	M.	Unsworth, H. G.	M.	Karachi—	7.5
Moylan, W. M.	M.	Cooch Behar-		Cosser, T.	M.
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Downton W. D.	A.M.			Herman, B. R.	M.
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Pepper, W. R.	A.M.	Stephens, C. V.	A.M.	Katary—	
Phillips, W.	A.M.	Darjeeling-		Hull, A. H.	A.M.
Pooley, J. P. F.	A.M.	Garner, G. R. W.	A.M.	Jones, J. E.	A.M.
Porritt, P. B.	A.M.			Katmandu—	
Pursey, H. S.	A.M.	Delhi-	M.	Pana Col K N	M.
Redding, F. C.		Adie, A. E.		Rana, Col. K. N.	MI.
Rickie, A. J. Ricks, S. J.	A.M.	Dawson, R. C.	A.M.	Khargpur—	
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Pohgon I	A.M.	Digboi-		Gibbons, W. F. Hornett, W. G. Hughes, R. M.	M.
Robson, J. Rolfe, J. H. H. Rose, G. F.	M.	Avent, B. S.	A.M.	Hornett, W. G.	M.
Rose G F	M.	Doom Dooma-		Hughes, R. M.	M.
Ruffle, F. F.	M.	Court, N.	A.M.	Izat, J. H.	A.M.
Russel, J.	A.M.		ALTON.	Khopoli-	
Simpson, J. A.	M.	Fyzabad—		Clarke, G. G.	M.
Sinclair, H.	A.M.	Watts, H. W.	A.M.		200
Spencer, P.	A.M.	Gorakhpur-		Kidderpore –	
Stark, H. R.	М.	Longmuir, W.	M.	Carnall, A.	A.M.
Stevenson, W. L.	A.M.			Kirkee-	
Stonebridge, A. W.	A.M.	Hathras-	1.25	Amor, W.	M.
Store HID	A.M.	Cullen, J.	A.M.	WW 0	
Thompson, H. J.	A.M.	Howrah-		Kushtia—	A NE
Tuckett, W. F.	A.M.	Campbell, J. D.	A.M.	Renwick, W. B.	A.M.
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Wallis, Capt. H. J.	K.	Molloy, C. P.	M.	Aslett, E. S.	G.
* * * * * * * * * * * * * * * * * * * *	A.M.	Saunders C H S	A.M.	Charlton, H. J.	A.M.
Watson, H. E.	A.M.	Saunders, C. H. S. Welburn, F.	A.M.	Ganga Ram	M.
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Willett, E. W.	A.M.	Smith, W. G.	M.	Thorpe, W. A. C.	A.M.
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Williams, G. S.	A.M.	Imphal—	A.M.	Lanauli—	7/1
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Wyness, J. P.	A.	Insein-		Lillooah-	
G		Burnside, B. W.	A.M.	Danby, C. G. H.	M.
Cawnpore-	4 2-	Hutton, C. I.	A.M.		
Thomson, H.	A.M.	Saxby-Thomas, H		Lindula-	. 25
Vick, F. H.	M.		A.M.	Maitland, D. J.	A.M.

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Sanyal, R. N.	A.M.	Patiala-		Hodson, W. J.	A.M.
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White, H. G. N.	M.	Poona-		Rothery, H. G.	A.M.
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Barrett, J. M. N.	A.M.	Ingham, W. J.	A.M.	Nugent, Maj. C. H.	H. M.
Cartwright, Prof.	U. L. M.	Porbandar-	4.35	Robertson, J. M.	A.M.
James, W. H.	M.	Dixon, R. C.	A.M.	Sukkur-	A D.F
Nesbitt, E. A. Payne, C. A. W. Peirce, H. B.	A.M.	Quilon-	1.75	Manico, E. L.	A.M.
Payne, C. A. W. Peirce, H. B.	А.М. М.	Love, T. E. Willmer, E. E.	A.M.	Sylhet—	A.M.
Sampson, E. D. Shepherd, J. W.	M.	_	ALIMA	Cape, A. Cross, R. T. G.	A.M.
Shepherd, J. W.	A.M.	Angus, J. A.	M.	Johnson, F. S. L. Kennedy, J. A. Metcalfe, F. G.	A.M.
Spring, Hon. Sir F.	M.	Bateman, H. H.	M.	Metcalfe, F. G.	A.M.
Thomas, F.	A.M.	Cameron, H. P.	M.	Tavoy-	
Warbrook, F. G. Webster, J.	A.M. A.M.	Dobbie, G. C. G. Innes, W. B.	A.M. M.	Aiken, J. W. D.	A.M.
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Mijikajan— Yates, R. V.	A.M.	Pearson, H. L.	M.	Logie, D. G.	A.M.
Moradabad-		Pearson, H. L. Perry, W. F. S. Rappoport, F. G.	M. M.	Titaghur—	1.36
Cardew, D.	A.M.	Rickie, J. H.	A.M.	Bryce, W. Mitchell, W. A.	A.M.
Mormugao-		Robertson, H., Jun	. M.	_	121
Noonan, L. F.	A.M.	Tuppen, G. L. Walker, J. W.	A.M. M.	Toong— Ansell, A. M.	A.M.
Mozufferpore-	1.75	Webster, S.	A.M.		
Temple, F. C. Watson, E. F.	A.M.			Trincomalee— Fraser, J. H.	A.M.
Young, F.	A.M.	Rasidpur— Dale, J.	A.M.		22144
Multan-		Rasul—		Tuticorin— Middleton, B. M.	A.M.
Hartree, R.	A.M.	Wilkinson, W.	A.M.		
Mussoorie-	2.5	Rawal Pindi-		Umballa— Graveil, A.	A.M.
Campbell, A.	M.	Rodd, Capt. W. J.	P. M.		
Mysore-	3.5	Singh, P.	G.	Villupuram— Lambert, J. H.	M.
Roberts, C. T.	M.	Strong, E. S.	M.		
Nagpur-	1.75	Rishra—	1.75	Yenangyaung— Cairns, H. S.	A.M.
Billinton, P. R. Cove, E. E. A.	A.M. A.M.	Black, J. Rose, P. T.	A.M.	Reay, E.	A.M.
Gibson, G. A.	M.		2024		
Naihati-		Roorkee— McLaren, W. D	A.M.	JAPAN-	
Ashworth, S. H.	A.M.	Wainwright, J. W.		Chikugo-	3.0
Paterson, J. D.	A.M.	Saharanpur-		Kuroda, T.	M.
Naini Tal-		Hunt, E.	A.M.	Hiogo-	1.35
Underhill, R.S.	М.	Saidpur-		Farbridge, J. W. Takatsuji, N.	A.M. M.
Nazira-		Homan, A. K.	A.M.		-
Greene, R. C. E.	A.M.	Homan, A. K. Manley, E. L.	A.M.	Kobe- Duus, J. H.	A.M.
Negapatam-		Tomlinson. J. A. Wells, G. M.	A.M. G.	Keable, A. H.	A.M.
Bourbel, G. de	G. M.			Robertson, H.	A.M.
Crighton, C. Richardson, E. L.	M.	Secunderabad— Buckley, F.	A.M.	Ventress, E. W. S.	A.M.
Rose, B. A.	G.	Rosenthal, F. M. B	. A.M.	Kyushu—	3.0
Tweedie, F. F. Wright, F. T.	A.M.	Ward, A. M.	A.M.	Mano, Prof. B.	M.
	42:44	Wynyard-Wright, V. L.	A.M.	Muroran-	D.
Negheriting— Stanley, C. R.	G.	Shaistaganj-		Mizutani, Eng. J Adml. Y.	M.
	G.	Aird, J. E.	A.M.		
Oorgaum- Nicholl, F. M.	M.	Shamnagar-		Nagasaki—	A.M.
Richardson, G. W		Thoms, A. K.	A.M.	Ito, K. Williamson, A. S.	M.

M. M. M. A.M. M. M. A.M. A.M. A.M.

A.M.

Osaka-		SIAM-		Seremban-	
	TAF				A 78.F
Kikuchi, K.	M.	Bangkok		Nugent, C. E.	A.M.
Rooke, W. M.	M.	Brown, R. H.	M.		
Takimura, T.	M.	Gibb, N.	M.	C3	
Tsurumi, Prof. S.	M.		M.	Singapore—	
Whitworth, L.	A.M.	Mackay, J.		Aitken, A. J.	A.M.
WHILE WOLDER, IA.	AL. ML.	Reid, J. W.	A.M.	Finnie, W.	M.
Tokyo-		Smart, L. S.	M.	Garratt, J. H.	M.
	76.00	Swanson, J. H.	M.		M.
Dan, T.	M.			Gebbie, J.	
Fujii, Eng. RrAd	mi.	Singora-		Gibson, W.	A.M.
T,	M.	Greenshields, C. D	. A.M.	Goldie, R. M.	A.M.
Hiraoka, H.	M.			Gostwyck, H. H. G	. A.M.
Miyabara, Eng. V				Hamilton, J. A.	M.
Adam's Daniel T	100-	STRAITS STLMTS	-	Hope, J. L.	M.
Adml. Baron J.	M.			Hope, J. H.	A.M.
Shiba, C.	A.M.	Johore-	-	Hunt, W. E.	
Shin, T.	M.	Corkery, A. T. M.	G.	Jarvie, W. M.	A.M.
Smith, A. J.	A.M.	Welson		Kellar, J. D. B.	A.M.
Thompson, J.	A.M.	Malacca—		Le Masurier, J.	M.
		Gill, H.	A.M.	Mackail, J. H.	A.M.
Tsuda, G.	A.M.	Taylor, C. B.	A.M.		
Watkins, W. G.	A.M.			Masterton, W. N.	М.
		Muar-		Melland-Smith, H	L. K.
Yokohama-		Drabble, H. M.	A.M.		A.M.
Britton, F. G.	A.M.			Niblock, F.	M.
Goodacre, E. J.	A.M.	Penang-		Nicholson, J. R.	M.
		Johnson, A. R.	A.M.	Debiner E II	
Homewood, G.	A.M.	Muir, H.	A.M.	Robinson, F. H.	A.M.
Robertson, A.	A.M.		M.	Robinson, P. M.	A.M.
Thompson, E. R.	M.	Wilson, W. B.		Strachan, J. A. P.	. A.M.
Tresize, W. K.	M.	Young, R.	M.	Trimmer, G. W. A	. A.M.
Yuill, M.	A.M.	Perak-		Trowell, W. J.	M.
t dill, bit.	ZX+ ME+		A 71.5	Valon, J. P. M.	A.M.
		Brooksbank, F.	A.M.		
YATTA		Colledge, A.	A.M.	Webster, W.	M.
JAVA-		Dodds, W. M.	A.M.		
Soerabaya-		Drummond, G.	A.M.	m 1 1	
Campbell, J.	M.	Goldie, A.	A.M.	Taiping—	
Hill, W. H.	A.M.			Moraes, H. F.	A.M.
		Gooch, S. J.	G.		
Powell, B. N.	A.M.	Preedy, C. H.	G.		
		Pont Dielegen			
		Port Dickson-		CITATE A PERM A	
PERSIA—		Ledwick, G., Jun.	G.	SUMATRA-	
Kishm-		Rantau-		Deli-	
Wright, J. L.	A.M.		A 76.4"		A.M.
Wilgits, J. L.	A. B1.	Irwin, R. S.	A.M.	Dickson, R. C.	A.M.
Wohammanak		Selangor-			
Mohammerah-	A 70.00	Basagoiti, W. P. d	le M.		
Davidson, R. R.	A.M.	Dasagom, w. r. d	IO IVI.		
Wheldon, E. J.	A.M.	Butcher, J. D.	A.M.	TURKEY-IN-ASIA-	_
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Binangonan-	~		M.		
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Manila-		Punter, A.	A.M.	DECIT, TV. IV.	ZL. III.
Aitken, C. H. W.	M.	Ridgway, A. E. A.	A.M.		
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Loader, J. F.	A.M.	Wilson, C.	M.	Issigonis, G. D.	A.M.
Librarion, J. F.	21.111.	,, 1180H, C.	III.	Losigonia, C. D.	ZI-ZZZ

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Hodgson, G. H. Holroyde, G. E.	A.M.	Kerr, A. E. C.	M.	Allen, C. C.	A.M.
Hoskins, G. J.	M.	Pringle, P. J.	M.	Fraser, S. E. Jones, S. W.	M.
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Lukis, W. R. F.	M.	Bellamy, H. E.	M.	Christehurch—	3.6
macar oney, J.	M.	Clarke, J.	M.	Anderson, J. Barker, T. D.	A.M.
McCrea, W. D.	A.M.	Dixon, H. A. Doyle, T. D.	A.M.	Birks, L.	M.
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Noyes, E.	A.	Griffiths, W. J. Grove, E. P.	M.	Watson, R. S.	A.M.
Saunders, A. F.	A.M.	Grove, E. P.	M.	Dunedin-	4 35
Sinclair, R. Slessor, R.	M. A.M.	Kay, B. Macnicol, A. N.	A.M. M.	Drew, E. H.	A.M.
Smith, M. S.	A.M.	Mais. H. C.	M.	McFadyen, A. McLintock, R. A.	A.M.
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Swain, H. J.	A.M.	Mindo, A. W.	M.	Roberts, E.	M.
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Nanango— Griffiths, J. A.	M.	Butcher, A. C.	A.M.	Nelson-	
		Walker, F. L.	M.	Blechynden, J.	M.
Nelson-		Kalgoorlie-		New Plymouth-	
Davids, S. W.	\mathbf{M} .	Crocker, C. E.	M.	Hursthouse, D. W.	A.M.
		Hemingway, A.	A.M.	Porirua-	
		Perth-		Anderson, J. H.	A.M.
S. AUSTRALIA-		Akroyd-Stuart, C.	H. M.		
Adelaide-		Akroyd-Stuart, H		Bartley, R. H.	A.M.
Garvia D	A.M.	Arney, A. E.	A.M.	Scott, H.	A.M.
Moulden, E. S. Nichols, H. F.	A.M.	Broadbent, H.	A. M.	Waihi-	
Nichols, H. F.	A.M.	Brown, F. V.	A.M. G.	Gauvain, W. P.	M.
Orr, T. R. J. Roberts, T. Shaw, P. C. W.	A.M. M.	Faulkner, J. E. Hawke, G. R. W.	M.	Malyon, F. W.	A.M.
Shaw, P. C. W.	M.	Hickson, C. H.	A.M.	Waikino-	
		King, H. E. de C.	A.M.	Watters, T. C.	A.M.
Port Augusta-	. 25	Lawson, F. W.	M.	Wellington-	
Saunders, F. W. T.	A.M.	Leslie, W. Mathews, C. J.	M. M.	Blair, D. K.	M.
		Sanderson, G. D.	A.M.	Blair, D. K. Burt, T. R.	A.M.
		Williams, H. W.	M.	Cable, M.	A.M.
TASMANIA-		Pouronathonno		Cachemaille, E. D.	
Hobart-		Ravensthorpe— Shepherd, R. L.	M.	Cull, J. E. L.	A.M.
Bluck, M. T. N.	M.		ML.	Earnshaw, W. Ferguson, W.	M.
Fowler, T. W.	M.	Sublaco—	4 75	Furkert, F. W. Grange, R. B.	A.M.
Ross, E. S.	A.M.	Littlejohn, W. J.	A.M.	Grange, R. B.	M.
Launceston-		Yarloop-		Holmes, J. D.	A.M.
Deeble, W. R.	M.	Bird, F. N.	A.M.	Hursthouse, E. W. McVicar, A.	A.M. M.
20010, 111 101	202.4	Midland Junction-		Mitchell, A. C.	M.
Queenstown-		Evans, E. A.	M.	Nelson, L.	A.M.
Wright, G. W.	M.	Hume, E. S.	M.	Richardson, C. E.	M.

EUROPE.

20110121				
AUSTRIA-		GREECE-		Petnognad
Landeck-		Athens-		Petrograd—
Rieter, E. H.	A.M.	Macaulay, M. S.	A.M.	Gerebiateff, MajGen.
1016161, 12. 11.	A.M.		A. 111.	J. T. M.
Vienna-		Piraeus-		Goldarbeiter, J. L. A.M.
Blakey, R. C. Hardy, W. E.	M.	Mastrantonis, P.	M.	Jones, S. J. A.M.
Hardy, W. E.	M.	HOLLAND		Stratford, A. B. A.M.
	-	HOLLAND-		Szymanowski, K. A.M.
DEI CHIM		Flushing— Martin, W. H.		
BELGIUM-		Martin, W. H.	M.	Schlüsselburg-
Antwerp-		Rotterdam-		Horsburgh, G.D.L. A.M.
Béliard, H. J. P.	M.	Stokvis, H.	M.	Stanitza Apsheron-
		Wilton, B.	M.	skaya—
Gand-		Wilton I D		
Heynssens, J.	A.M.	Wilton, J. D. Wilton, W.	A.M.	Nash, A. W. A.M.
Liége-		Wilton, W.	A.M.	
	A.M.	HUNGARY-		SPAIN-
Barton, G. B.				Aguilas-
Timmermans, F.	M.	Fiume—		
		Jones, A. E.	M.	Browne, S. O. M.
DENMARK-		TTATAT		Alcaracejos-
Copenhagen-		ITALY-		West, W. P. A.M.
	M.	Milan-		
Caspersen, H. E.		Haan, P. de	A.M.	Almeria—
Riehn, J. F.	A.M.	Nathan, A.	M.	Hamilton, A., Jun. A.M.
		Rümmele, A.	G.	
FRANCE-				Astillero-
Chatou-		MALTA-		Kidd, F. M.
	M.	Clark, Major R. L.	M.	Dillera
D'Albert, C.	III.	Jockel, L. M.	G.	Bilbao-
Dunkirk-		booker, 23. 22.	a.	Layton, H. E. M.
Leach, B. H.	A.M.	NORWAY-		Ferrol-
Tower, D. II.	72			Humble, G. C. G.
Marseilles-		Christiania—	4.75	Humble, G. C. G.
Greenfield, A.	G.	Tooms, J. G.	A.M.	Huelva-
		PORTUGAL-		Bennie, P. M.
Paris-	2.5			Clayton, T. A.M.
Bourdon, F. E.	M.	Lisbon-	-	Harding, W. A. D. M.
Budge, E.	M.	Camargo, J. A. da	R.	Harding, W. A. D. M. Naylor, T. L. A.M.
Bull, C. G.	A.M.		A.M.	Thomaton C. T. M.
Budge, E. Bull, C. G. Dowlen, W. E.	A.	Goodwin, R.	A.M.	Thornton, C. J. M.
Hanning, W. Hartley, J. H. Hour, R. C.	M.	Hawkins, L. G.	A.M.	Madrid—
Hartley, I H	A.M.	Mertola-		Aramburu w Silva F M
Hour P C	A.M.		a	Aramburu y Silva, F. M. Cowlrick, F. G. A.M.
Hutching W T	M.	Riley, T. S.	G.	Laidler, C. R. G.
Hutchins, W. J.	M.	ROUMANIA-		
Kaye, L. J.				Murciano, R. M. G.
Leisse, G. C.	M.	Bucharest-	4 35	Phillips, E. G. A.M.
Malan, E. de M.	M.	Thieme, H. C. A.	A.M.	Palamos—
Marié, G.	M.	Sulina-		McKerlie, J. A.M.
Nolet, P.	M.	Nutt, G. B.	M.	MCKerne, J.
Rateau, Prof. A.	M.			
Ronceray, E. Roux, P. L.	M.	RUSSIA-		SWEDEN-
Roux, P. L.	A.M.	Apsheronskaya-		Danderyd-
Ryan, J.	M.		A 75/E	Betts, S. M.
Sauvage, Prof. E.	M.	Dabell, A. F	A.M.	
Sauvago, 1101. Is.	332.	Charkov-		Gothenburg—
Rouen-		Blakey, C.	M.	Wadham, R. A.M.
Harrison, Col. G. H	. M.	Read, H. G.	M.	
		Kieff-		SWITZERLAND-
GERMANY-		Okolski, S. J.	M.	
			MI.	Berne-
Dresden-		Kostroma-		Skipworth, G. P. M.
Mason, H.	M.	Chandler, F. A.	A.M.	Gléresse-
Yaha		Lodz-		McCallum, E. A. M.
Lehe-	3.5	Ratcliffe, J. T.	M.	McCalluli, E. A. M.
Riegen, J. von	M.		224.0	Winterthur-
Leipzig-		Moscow-		Sulzer, J. M.
	G.	Berry, H.	M.	Manual Tit.
Ward, C.	G.	Boardman, J.	M.	
Saarbrücken-		Charnock, C. J.	A.M.	TURKEY—
Sehmer, E. G.	M.	Charnock, H. H.	A.M.	Constantinople-
_		Cox, M.	A.M.	Ahmed Pasha, Vice-
Strassburg, Alsace	-	Dixon, W. F.	M.	Admiral M.
Berthiez, C.	M.	Gilbert, E.	M.	
		Honney I P		
GIBRALTAR-		Hopper, J. R.	M.	Seifeddin, H.R.H. Prince.
Phillips, Capt. F. H	. м.	Urmston, P.	M.	A.
I minps, Capt. F. H	. 11.	Wood, H. L.	A.M.	Sirri, Major M. M.



THE INSTITUTION OF MECHANICAL ENGINEERS.

Memorandum of Association.

AUGUST 1878.

1st. The name of the Association is "The Institution of Mechanical Engineers."

2nd. The Registered Office of the Association will be situate in England.

3rd. The objects for which the Association is established are:-

- (A.) To promote the science and practice of Mechanical Engineering and all branches of mechanical construction, and to give an impulse to inventions likely to be useful to the Members of the Institution and to the community at large.
- (B.) To enable Mechanical Engineers to meet and to correspond, and to facilitate the interchange of ideas respecting improvements in the various branches of mechanical science, and the publication and communication of information on such subjects.
- (c.) To acquire and dispose of property for the purposes aforesaid.
- (D.) To do all other things incidental or conducive to the attainment of the above objects or any of them.

4th. The income and property of the Association, from whatever source derived, shall be applied solely towards the promotion of the objects of the Association as set forth in this Memorandum of Association, and no portion thereof shall be paid or transferred directly or indirectly, by way of dividend, bonus, or otherwise howsoever, by way of profit to the persons who at any time are or have been Members of the Association, or to any of them, or to any person claiming through any of them: Provided that nothing herein contained shall prevent the payment in good faith of remuneration to any officers or servants of the Association, or to any Member of the Association, or other person, in return for any services rendered to the Association, or prevent the giving of privileges to the Members of the Association in attending the meetings of the Association, or prevent the borrowing of money (under such powers as the Association and the Council thereof may possess) from any Member of the Association, at a rate of interest not greater than five per cent. per annum.

5th. The fourth paragraph of this Memorandum is a condition on which a licence is granted by the Board of Trade to the Association in pursuance of Section 23 of the Companies Act 1867. For the purpose of preventing any evasion of the terms of the said fourth paragraph, the Board of Trade may from time to time, on the application of any Member of the Association, impose further conditions, which shall be duly observed by the Association.

6th. If the Association act in contravention of the fourth paragraph of this Memorandum, or of any such further conditions, the liability of every Member of the Council shall be unlimited; and the liability of every Member of the Association who has received any such dividend, bonus, or other profit as aforesaid, shall likewise be unlimited.

7th. Every Member of the Association undertakes to contribute to the Assets of the Association in the event of the same being wound up during the time that he is a Member, or within one year afterwards, for payment of the debts and liabilities of the Association contracted before the time at which he ceases to be a Member, and of the costs, charges, and expenses for winding up the same, and for the adjustment of the rights of the contributories amongst themselves, such amount as may be required not exceeding Five Shillings, or in case of his liability becoming unlimited such other amount as may be required in pursuance of the last preceding paragraph of this Memorandum.

8th. If upon the winding up or dissolution of the Association there remains, after the satisfaction of all its debts and liabilities, any property whatsoever, the same shall not be paid to or distributed among the Members of the Association, but shall be given or transferred to some other Institution or Institutions having objects similar to the objects of the Association, to be determined by the Members of the Association at or before the time of dissolution; or in default thereof, by such Judge of the High Court of Justice as may have or acquire jurisdiction in the matter.

Articles of Association.

FERRUARY 1893.

(Article 23 revised March 1902.)

INTRODUCTION.

Whereas an Association called "The Institution of Mechanical Engineers" existed from 1847 to 1878 for objects similar to the objects expressed in the Memorandum of Association of the Association (hereinafter called "the Institution") to which these Articles apply;

And whereas the Institution was formed in 1878 for furthering and extending the objects of the former Institution, by a registered Association, under the Companies Acts 1862 and 1867;

And whereas terms used in these Articles are intended to have the same respective meanings as they have when used in those Acts, and words implying the singular number are intended to include the plural number, and vice versû;

Now therefore it is hereby agreed as follows:-

CONSTITUTION.

1. For the purpose of registration the number of Members of the Institution is unlimited.

MEMBERS, ASSOCIATE MEMBERS, GRADUATES, ASSOCIATES, AND HONORARY LIFE MEMBERS.

2. The present Members of the Institution, and such other persons as shall be admitted in accordance with these Articles, and none others, shall be Members of the Institution and be entered on the register as such.

- 3. Any person may become a Member of the Institution who shall be qualified and elected as hereinafter mentioned, and shall agree to become such Member, and shall pay the entrance fee and first subscription accordingly.
- 4. The qualification of Members shall be prescribed by the By-laws from time to time in force, as provided by the Articles.
- 5. The election of Members shall be conducted as prescribed by the By-laws from time to time in force, as provided by the Articles.
- 6. In addition to the persons already admitted as Graduates, Associates, and Honorary Life Members respectively, the Institution may admit such persons as may be qualified and elected in that behalf as Associate Members, Graduates, Associates, and Honorary Life Members respectively of the Institution, and may confer upon them such privileges as shall be prescribed by the By-laws from time to time in force, as provided by the Articles: provided that no Associate Member, Graduate, Associate, or Honorary Life Member shall be deemed to be a Member within the meaning of the Articles.
- 7. The qualification and mode of election of Associate Members, Graduates, Associates, and Honorary Life Members shall be prescribed by the By-laws from time to time in force, as provided by the Articles.
- 8. The rights and privileges of every Member, Associate Member, Graduate, Associate, or Honorary Life Member shall be personal to himself, and shall not be transferable or transmissible by his own act or by operation of law.

ENTRANCE FEES AND SUBSCRIPTIONS.

9. The Entrance Fees and Subscriptions of Members, Associate Members, Graduates, and Associates shall be prescribed by the Bylaws from time to time in force, as provided by the Articles.

EXPULSION.

- 10. If any Member, Associate Member, Graduate, or Associate shall leave his subscription in arrear for two years, and shall fail to pay such arrears within three months after a written application has been sent to him by the Secretary, his name may be struck off the register by the Council at any time afterwards, and he shall thereupon cease to have any rights as a Member, Associate Member, Graduate, or Associate, but he shall nevertheless continue liable to pay the arrears of subscription due at the time of his name being so struck off: provided always that this regulation shall not be construed to compel the Council to remove any name, if they shall be satisfied the same ought to be retained.
- 11. The Council may refuse to continue to receive the subscriptions of any person who shall have wilfully acted in contravention of the regulations of the Institution, or who shall in the opinion of the Council have been guilty of such conduct as shall have rendered him unfit to continue to belong to the Institution; and may remove his name from the register, and he shall thereupon cease to be a Member, Associate Member, Graduate, or Associate (as the case may be) of the Institution.

GENERAL MEETINGS.

- 12. The General Meetings shall consist of the Ordinary Meetings, the Annual General Meeting, and of Special Meetings as hereinafter defined.
- 13. The Annual General Meeting shall take place in London in one of the first four months of every year. The Ordinary Meetings shall take place at such times and places as the Council shall determine.
- 14. A Special Meeting may be convened at any time by the Council, and shall be convened by them whenever a requisition signed by twenty Members or Associate Members of the Institution,

specifying the object of the Meeting, is left with the Secretary. If for fourteen days after the delivery of such requisition a Meeting be not convened in accordance therewith, the Requisitionists or any twenty Members or Associate Members of the Institution may convene a Special Meeting in accordance with the requisition. All Special Meetings shall be held in London.

- 15. Seven clear days' notice of every Meeting, specifying generally the nature of any special business to be transacted at any Meeting, shall be given to every person on the register of the Institution, except as provided by Article 35, and no other special business shall be transacted at such Meeting; but the non-receipt of such notice shall not invalidate the proceedings of such Meeting. No notice of the business to be transacted (other than such ballot lists as may be requisite in case of elections) shall be required in the absence of special business.
- 16. Special business shall include all business for transaction at a Special Meeting, and all business for transaction at every other Meeting, with the exception of the reading and confirmation of the Minutes of the previous Meeting, the election of Members, Associate Members, Graduates, and Associates, and the reading and discussion of communications as prescribed by the By-laws, or by any regulations of the Council made in accordance with the By-laws.

PROCEEDINGS AT GENERAL MEETINGS.

- 17. Twenty Members or Associate Members shall constitute a quorum for the purpose of a Meeting other than a Special Meeting. Thirty Members or Associate Members shall constitute a quorum for the purpose of a Special Meeting.
- 18. If within thirty minutes after the time fixed for holding the Meeting a quorum is not present, the Meeting shall be dissolved, and all matters which might, if a quorum had been present, have been done at a Meeting (other than a Special Meeting) so dissolved, may forthwith be done on behalf of the Meeting by the Council.

- 19. The President shall be Chairman at every Meeting, and in his absence one of the Vice-Presidents; and in the absence of all Vice-Presidents a Member of Council shall take the chair; and if no Member of Council be present and willing to take the chair, the Meeting shall elect a Chairman.
- 20. The decision of a General Meeting shall be ascertained by show of hands, unless, after the show of hands, a poll is forthwith demanded; and by a poll, when a poll is thus demanded. The manner of taking a show of hands or a poll shall be in the discretion of the Chairman; and an entry in the Minutes, signed by the Chairman, shall be sufficient evidence of the decision of the General Meeting. Each Member and Associate Member shall have one vote and no more. In case of equality of votes the Chairman shall have a second or easting vote: provided that this Article shall not interfere with the provisions of the By-laws as to election by ballot.
- 21. The acceptance or rejection of votes by the Chairman shall be conclusive for the purpose of the decision of the matter in respect of which the votes are tendered: provided that the Chairman may review his decision at the same Meeting, if any error be then pointed out to him.

BY-LAWS.

22. The By-laws set forth in the schedule to these Articles, and such altered and additional By-laws as shall be substituted or added as hereinafter mentioned, shall regulate all matters by the Articles left to be prescribed by the By-laws and all matters which consistently with the Articles shall be made the subject of By-laws. Alterations in, and additions to, the By-laws may be made only by resolution of the Members and Associate Members at an Annual General Meeting, after notice of the proposed alteration or addition has been announced at the previous Ordinary Meeting, and not otherwise.

COUNCIL.

- 23. The Council of the Institution shall be chosen from the Members only, and shall consist of one President, six Vice-Presidents, twenty-one ordinary Members of Council, and of the Past-Presidents. The President, two Vice-Presidents, and seven Members of Council (other than Past-Presidents), shall retire at each Annual General Meeting, but shall be eligible for re-election. The Vice-Presidents and Members of Council to retire each year shall, unless the Council agree otherwise among themselves, be chosen from those who have been longest in office, and in cases of equal seniority shall be determined by ballot.
- 24. The election of a President, Vice-Presidents, and Members of Council, to supply the place of those retiring at the Annual General Meeting, shall be conducted in such manner as shall be prescribed by the By-laws from time to time in force, as provided by the Articles.
- 25. The Council may supply any casual vacancy in the Council (including any casual vacancy in the office of President) which shall occur between one Annual General Meeting and another; and the President, Vice-Presidents, or Members of Council so appointed by the Council shall retire at the succeeding Annual General Meeting. Vacancies not filled up at any such Meeting shall be deemed to be casual vacancies within the meaning of this Article.

OFFICERS.

- 26. The Treasurer, Secretary, and other employés of the Institution shall be appointed and removed in the manner prescribed by the By-laws from time to time in force, as provided by the Articles. Subject to the express provisions of the By-laws, the officers and servants of the Institution shall be appointed and removed by the Council.
- 27. The powers and duties of the officers of the Institution shall, subject to any express provision in the By-laws, be determined by the Council.

POWERS AND PROCEDURE OF COUNCIL.

- 28. The Council may regulate their own procedure, and delegate any of their powers and discretions to any one or more of their body, and may determine their own quorum: if no other number is prescribed, three members of Council shall form a quorum.
- 29. The Council shall manage the property, proceedings, and affairs of the Institution, in accordance with the By-laws from time to time in force.
- 30. The Treasurer may, with the consent of the Council, invest in the name of the Institution any moneys not immediately required for the purposes of the Institution in or upon any of the following investments (that is to say):—
 - (A) The Public Funds, or Government Stocks of the United Kingdom, or of any Foreign or Colonial Government guaranteed by the Government of the United Kingdom.
 - (B) Real or Leasehold Securities, or in the purchase of real or leasehold properties in Great Britain or Ireland.
 - (c) Debentures, Debenture Stock, or Guaranteed or Preference Stock, of any Company incorporated by special Act of Parliament, the ordinary Shareholders whereof shall at the time of such investment be in actual receipt of halfyearly or yearly dividends.
 - (D) Stocks, Shares, Debentures, or Debenture Stock of any Railway, Canal, or other Company, the undertaking whereof is leased to any Railway Company at a fixed or fixed minimum rent.
 - (E) Stocks, Shares, or Debentures of any East Indian Railway or other Company, which shall receive a contribution from His Majesty's East Indian Government of a fixed annual percentage on their capital, or be guaranteed a fixed annual dividend by the same Government.

- (r) The security of rates levied by any corporate body empowered to borrow money on the security of rates, where such borrowing has been duly authorised by Act of Parliament.
- 31. The Council may, with the authority of a resolution of the Members and Associate Members in General Meeting, borrow moneys for the purposes of the Institution on the security of the property of the Institution, or otherwise at their discretion.
- 32. No act done by the Council, whether ultra vires or not, which shall receive the express or implied sanction of the Members and Associate Members in General Meeting, shall be afterwards impeached by any member of the Institution on any ground whatsoever, but shall be deemed to be an act of the Institution.

NOTICES.

- 33. A notice may be served by the Council upon any Member, Associate Member, Graduate, Associate, or Honorary Life Member, either personally or by sending it through the post in a prepaid letter addressed to him at his registered place of abode.
- 34. Any notice, if served by post, shall be deemed to have been served at the time when the letter containing the same would be delivered in the ordinary course of the post; and in proving such service it shall be sufficient to prove that the letter containing the notice was properly addressed and put into the post office.
- 35. No Member, Associate Member, Graduate, Associate, or Honorary Life Member, not having a registered address within the United Kingdom, shall be entitled to any notice; and all proceedings may be had and taken without notice to such member, in the same manner as if he had had due notice.

By-laws.

(Last Revision, February 1916.)

MEMBERS.

- 1. No Candidate shall be elected a Member, or be transferred into the class of Members, unless he is at least 30 years of age, and has produced evidence, to the satisfaction of the Council, either—
 - I. That he-
 - (a) Has received a good general and scientific education;
 - (b) Has been regularly trained as a Mechanical Engineer;
 and
 - (c) Has been engaged for a sufficient period in an important position of independent responsibility in the direction of engineering work:

Or II. That he-

- (d) Has received a thorough scientific education;
- (e) Has had sufficient practical experience as a Mechanical Engineer; and
- (f) Has for a sufficient period held an important position of independent responsibility in connection with engineering work:

Or III. That he-

(g) Has attained to a position of such eminence in the profession, or in the direction of engineering work, as to qualify him, in the opinion of the Council, for the distinction of Membership.

ASSOCIATE MEMBERS.

- 2. No Candidate shall be elected an Associate Member unless he is at least 25 years of age, and unless EITHER—
 - (A) Being under 30 years of age, he has passed the Associate Membership Examination prescribed by the Council's Examination Rules for the time being or such other exempting Examination as may from time to time be approved by the Council under such Rules, and has also produced evidence to the satisfaction of the Council that he has been regularly trained as a Mechanical Engineer, has had sufficient practical experience in the direction or design of engineering work, and is following the profession of Engineering. Provided always that any Candidate being a Graduate of the Institution who has attained 25 years of age by the first day of January 1913, and any other Candidate who has attained 27 years of age by the first day of January 1913, may be elected as an Associate Member under the next following paragraph (B) as if he were 30 years of age, instead of under this paragraph; OR
 - (B) Being 30 years of age or upwards, he shall have produced evidence to the satisfaction of the Council either—

I That he-

- (a) Has received a good general education;
- (b) Has been regularly trained as a Mechanical Engineer; and
- (c) Has had subsequent employment for at least one year in a responsible position in the direction or design of engineering work, and is actually so engaged at the time of his proposal for Election:

Or II. That he-

- (d) Has received a good general and scientific education;
- (e) Has had sufficient practical experience as a Mechanical Engineer; and

(f) Has had subsequent employment for at least one year in a responsible position in the direction or design of engineering work, and is actually so engaged at the time of his proposal for Election.

GRADUATES.

3. Graduates shall be persons not under 18 years of age, who have passed the Graduateship Examination prescribed by the Council's Examination Rules for the time being or such other exempting Examination as may from time to time be approved by the Council under such Rules, and shall satisfy the Council that they have received, or are receiving, regular training as Mechanical Engineers, and that they have received, or intend to obtain, sufficient practical and scientific training to fit them for employment in responsible positions as Mechanical Engineers. No person shall be elected a Graduate after the age of 25 years.

Graduates may not continue as such if they cease to follow the profession of Engineering, nor in any case beyond the age of 28 years.

ASSOCIATES.

4. Associates shall be persons of at least 30 years of age, who not being Mechanical Engineers by profession, yet by reason of their attainments in science, or in any of the arts allied to, or having interests in common with, Engineering, may be deemed by the Council to be worthy of the distinction of Associateship.

TRANSFERENCE.

5. At the discretion of the Council properly qualified Associate Members may on application be transferred to the class of Members, and properly qualified Associates may be transferred to the classes of Associate Members or Members.

HONORARY LIFE MEMBERS.

6. The Council shall have the power to nominate as Honorary Life Members persons of eminent scientific attainments.

PRIVILEGES OF MEMBERSHIP.

- 7. The Members, Associate Members, Graduates, Associates, and Honorary Life Members shall have notice of, and the privilege to attend, all Meetings; but Members and Associate Members only shall be entitled to vote thereat.
- 8. The abbreviated distinctive Titles for indicating the connection with the Institution, of Members, Associate Members, Graduates, Associates, or Honorary Life Members thereof, shall be the following:—for Members, M. I. Mech. E.; for Associate Members, A. M. I. Mech. E.; for Graduates, G. I. Mech. E.; for Associates, A. I. Mech. E.; for Honorary Life Members, Hon. M. I. Mech. E.
- 9. Subject to such regulations as the Council may from time to time prescribe, any Member, Associate Member, or Associate may upon application to the Secretary obtain a Certificate of his membership or other connection with the Institution. Every such certificate shall remain the property of, and shall on demand be returned to, the Institution.

EXAMINATIONS.

9A. The Council shall cause to be held Examinations for Candidates seeking to be elected as Associate Members and within the ages for which Examinations are required, and for Candidates seeking to be elected as Graduates; and shall frame and publish Rules, consistent with these By-laws, regulating such Examinations and defining the cases and circumstances under which such Examinations shall apply, the periods at which they shall be held, the subjects which they shall comprise, the fees which shall be paid

or deposited by Candidates in respect of such Examinations and the nature of the Certificate (if any) to be granted to successful Candidates; and such Rules shall include the list of Examinations held by other bodies the passing of which will respectively exempt a Candidate from being required to pass the Associate Membership Examination or the Graduateship Examination. And the Council shall have power from time to time to vary or rescind any such Rules and to make any such other Rules in connection with any such Examinations as may, consistently with these By-laws, be necessary or desirable.

ENTRANCE FEES AND SUBSCRIPTIONS.

- 10. Each Member shall pay an Annual Subscription of £3, and on election an Entrance Fee of £2.
- 11. Each Associate Member shall pay an Annual Subscription of £2 10s., and on election an Entrance Fee of £1. If afterwards transferred by the Council to the class of Members, he shall pay on transference 10s. additional Subscription for the current year, and £1 additional Entrance Fee.
- 12. Each Graduate shall pay an Annual Subscription of £1 10s., but no Entrance Fee.
- 13. Each Associate shall pay an Annual Subscription of £2 10s., and on election an Entrance Fee of £1. If afterwards transferred by the Council to the class of Associate Members, he shall pay on transference no additional Subscription or Entrance Fee. If transferred direct to the class of Members, he shall pay on transference 10s. additional Subscription for the current year, and £1 additional Entrance Fee.
- 14. All Subscriptions shall be payable in advance, and shall become due on the 1st day of January in each year; and the first Subscription of each Member, Associate Member, Graduate, and

Associate, shall date from the 1st day of January in the year of his election, and shall, except in the cases provided for by By-law 15, entitle him to the Proceedings published during that year.

- 15. In the case of each Member, Associate Member, Graduate, or Associate, elected in the last three months of any year, the first Subscription shall cover both the year of Election and the succeeding year, but shall only entitle the person elected to the Proceedings published after his Election.
- 16. Any Member, Associate Member, or Associate, whose Subscription is not in arrear, may at any time compound for his Subscription for the current and all future years by the payment of Fifty Pounds, if paid in any one of the first five years of his membership. If paid subsequently, the sum of Fifty Pounds shall be reduced by One Pound per annum for every year of membership after five years. All compositions shall be deemed to be capital moneys of the Institution.
- 17. No Proceedings or Ballot Lists or Certificates shall be sent to Members, Associate Members, Graduates, or Associates, who are in arrear with their Subscriptions more than twelve months, and whose Subscriptions have not been remitted by the Council as hereinafter provided. (By-law 18.)
- 18. The Council may at their discretion reduce or remit the Annual Subscription, or the arrears of Annual Subscription, of any Member or Associate Member who shall have been a subscribing member of the Institution for twenty years, and shall have become unable to continue the Annual Subscription provided by these By-laws.
- 18A. The Council may at their discretion, for sufficient reason and for such limited period as they may determine, reduce or remit the Annual Subscription, or the arrears of Annual Subscription, of any Member, Associate Member, Graduate, or Associate, who, in consequence of his engagement on Active Service or on other National War Service during the War commenced in August 1914,

shall have become unable to maintain the Annual Subscription provided by these By-laws.

And if the Council shall be satisfied that any Member, Associate Member, or Associate, has during the War resigned his membership, or has been struck off the register, on account of financial difficulty due to the War, the Council may at their discretion remit his Entrance Fee on re-election.

ELECTION OF MEMBERS, ASSOCIATE MEMBERS, GRADUATES, AND ASSOCIATES.

- 19. Every proposal for Election shall be in accordance with Form A or Form B in the Appendix, and shall be forwarded to the Secretary, who shall lay it before the Council. The Form A must be signed by the Candidate and by not less than five Members or Associate Members, and the Form B by the Candidate and by not less than one Member or Associate Member.
- 20. All Elections shall take place by Ballot of the Members and Associate Members, four-fifths of the votes given being necessary for Election.
- 21. Every proposal for Election shall be considered by the Council. The Ballot Lists shall contain only such names in each class as are approved by the Council for Election. Each List of approved Candidates shall be signed by the Chairman of the Council Meeting authorising its issue. The Ballot Lists shall be classified, and shall specify the name, occupation and address of each Candidate, and the names of his Proposer and Seconder; they shall be sent to Members and Associate Members only, and shall be opened by, or in the presence of, a Committee appointed for that purpose by the Council. The Committee shall report the result of the Ballot to the Council.
- 22. The result of each Ballot shall be declared at the next General Meeting.

- 23. When a Candidate is elected, the Secretary shall give him notice thereof according to Forms D or E in the Appendix; but his name shall not be added to the register of the Institution until he shall have paid his Entrance Fee and first Annual Subscription.
- 24. In case of non-Election, no mention thereof shall be made in the Minutes, nor any notice given to the unsuccessful Candidate.
- 25. An Associate Member desirous of being transferred to the class of Members, or an Associate to the class of Associate Members, or to that of Members, shall forward to the Secretary a proposal according to Form C in the Appendix, signed by not less than five Members or Associate Members, which shall be laid before the Council. On their approval being given, the Secretary shall notify the same to the Candidate according to Form F; but his name shall not be added to the list of Members or Associate Members until he shall have paid the additional Entrance Fee (if any), and the additional Subscription (if any) for the current year.
- 25A. Provided always that notwithstanding the provisions of the preceding By-laws, if the Council shall be satisfied that any Member, Associate Member, Graduate, or Associate, has during the War commenced in August 1914 resigned his membership, or has been struck off the register, on account of financial difficulty due to the War, he may be re-elected by the Council as a member in the class of membership in which he was previously to the War, provided that previously to and for the purpose of such re-election he shall have signed the form of engagement or agreement set out in the appropriate Proposal Form A or B in the Appendix.

ELECTION OF PRESIDENT, VICE-PRESIDENTS, AND MEMBERS OF COUNCIL.

26. At the General Meeting preceding the Annual General Meeting, the Council are to present a list of Members nominated by them. Any Member or Associate Member shall then be entitled to add to the list of Candidates. A Ballot List of the proposed

names shall be forwarded to each Member and Associate Member. The Ballot Lists shall be opened only on the day of the Annual General Meeting, in the presence of the Council, by a Committee appointed for that purpose.

APPOINTMENT AND DUTIES OF OFFICERS.

- 27. The Treasurer shall be a Banker, and shall hold the uninvested funds of the Institution, except the moneys in the hands of the Secretary for current expenses. He shall be appointed, on the recommendation of the Council, by the Members and Associate Members at a General or Special Meeting, and shall hold office at the pleasure of the Council.
- 28. The Secretary of the Institution shall be appointed, on the recommendation of the Council, as and when a vacancy occurs, by the Members and Associate Members at a General or Special Meeting, and shall be removable by the Council upon six months' notice from any day. The Secretary shall give the same notice. The Secretary shall devote the whole of his time to the work of the Institution, and shall not engage in any other business or profession.
- 29. It shall be the duty of the Secretary, under the direction of the Council, to conduct the correspondence of the Institution; to attend all meetings of the Institution, and of the Council, and of Committees; to take minutes of the proceedings of such meetings; to read the minutes of the preceding meetings, and all communications that he may be ordered to read; to superintend the publication of such Papers as the Council may direct; to have the charge of the Institution building and library; to direct the collection of the Subscriptions, and the preparation of the account of expenditure of the funds; and to present all accounts to the Council for inspection and approval. He shall also engage (subject to the approval of the Council), and be responsible for, all persons employed under him, and set them their portions of work and duties. He shall conduct

the ordinary business of the Institution, in accordance with the Articles and By-laws and the directions of the President and Council; and shall refer to the President in any matters of difficulty or importance, requiring immediate decision.

30. The Auditor shall be a Fellow of the Institute of Chartered Accountants, and shall be appointed annually by the Members and Associate Members at a General or a Special Meeting, at a remuneration to be then fixed by the Members and Associate Members. The yearly Accounts, after being duly audited, shall be presented by the Council to the Annual General Meeting.

MEETINGS.

- 31. Every Paper shall be submitted to the Council for approval, and after approval shall be read at a General Meeting, or shall be printed in the Proceedings without having been read at a General Meeting, as may be directed by the Council.
- 32. The proceedings at the General Meetings shall, as far as practicable, conform to the following order:—
 - 1st. The Chair shall be taken at such hour as the Council may direct.
 - 2nd. The Minutes of the previous Meeting shall be read by the Secretary, and, after being approved as correct, shall be signed by the Chairman.
 - 3rd. The result of the examination of the Ballot Lists shall be declared to the Meeting, and the names of the Members, Associate Members, Graduates, and Associates elected shall be announced. Any Transferences made by the Council since the last Meeting shall also be announced.
 - 4th. Papers approved by the Council shall be read by the Secretary, or by the Author, as may be directed by the Council.

- 33. Each Member or Associate Member shall have the privilege of introducing one friend to any of the General Meetings; but, during such portion of any Meeting as may be devoted to any business connected with the management of the Institution, visitors shall be requested by the Chairman to withdraw, if any Member or Associate Member asks that this shall be done.
- 34. Every Member, Associate Member, Graduate, Associate, or Visitor, shall write his name and residence in a book to be kept for the purpose, on entering each Meeting.
- 35. The discussion upon any Paper may be adjourned at the discretion of the Chairman.
- 36. Seven clear days' notice at least shall be given of every meeting of the Council. Such notice shall specify generally the business to be transacted by the meeting. No business involving the expenditure of the funds of the Institution (except by way of payment of current salaries and accounts) shall be transacted at any Council meeting unless specified in the notice convening the meeting.

MISCELLANEOUS.

- 37. The President shall ex officio be a member of all Committees of the Council.
- 38. All Communications to the Institution, unless declined, shall be the property of the Institution, and shall be published only by the authority of the Council.
- 39. None of the property of the Institution shall be taken out of the premises of the Institution without the consent of the Council.

- 40. All Donations to the Institution shall be enumerated in the Annual Report of the Council presented to the Annual General Meeting.
- 41. Advance copies of Papers to be read at the Meetings may be sent to members on application to the Secretary.
- 42. All Books, Drawings, Communications, etc., shall be accessible to the members of the Institution at all reasonable times.
- 43. Graduates and Associates elected prior to 1893 shall, notwithstanding anything in these By-laws contained, retain the privileges set out in the By-laws as revised in January 1890.

APPENDIX.

FORM A.

(Proposal as Member, Associate Member, or Associate.)
Name in full
Designation or Occupation
Business Address
beingyears of age, and desirous of admission into The
Institution of Mechanical Engineers, we, the undersigned proposer and
seconder from our personal knowledge, and (at least) three other supporters,
propose and recommend him as a proper person to belong to the Institution.
Witness our hands, thisday of
Five Members' or Associate Members' Signatures are required.
Proposed from personal knowledge by
Seconded from personal knowledge by
Supported from personal knowledge by
Supported from trustworthy information by
Those who sign this Form are desired to append their initials to the neutions of

the statement of which they have personal knowledge.

ENGAGEMENT.

I, the undersigned, do hereby agree that, in the event of my election as Member, Associate Member, or Associate, I will be governed by the regulations of The Institution of Mechanical Engineers as they are now formed or as they may hereafter be altered; that I will advance the objects of the Institution as far as shall be in my power, and will attend the Meetings thereof as often as I conveniently can: provided that, whenever I shall signify in writing to the Secretary that I am desirous of withdrawing from the Institution, I shall (after the payment of any arrears which may be due by me at that period) be free from this obligation.

Signature of Candidate.....

	* Initials of Supporters.
Examination passed exempting from Associate Membership Examination and date †	• • • • • • • • • • • • • • • • • • • •
Date and Place of Birth	*********
General Education (with dates)	**********
Technical Education (with dates, subjects, and principal successes)	
Apprenticeship (with dates, and particulars of training received)	
Subsequent Career (with dates, and positions held)	
Brief Details of most important Mechanical Engineering work for which Candidate has been personally responsible	
Membership in other Societies	

Signature of Candidate.....

^{*} Members supporting this proposal are requested to place their initials against those particulars of the Candidate's career of which they have personal knowledge.

† Certificate to be sent in with this proposal.

FORM B.

(PROPOSAL AS GRADUATE.)

Name in full
Designation or Occupation
Business Address
Address for communications
beingyears of age, and desirous of becoming a Graduate
of The Institution of Mechanical Engineers, the undersigned proposer, from
personal knowledge, recommends him as a proper person to become a
Graduate thereof.
Witness my hand, thisday of
Proposed from personal knowledge by
Exempting Examination passed, and date *
Date and Place of Birth
General Education (with dates)
Technical Education (with dates, subjects taken, and successes gained)
Apprenticeship (with dates, and particulars of training received)
Arrangements made for further training
Subsequent Career (with dates, and positions held)

Signature of Candidate

I, the undersigned, do hereby agree that in the event of my election I will be governed during my Graduateship by the regulations of The Institution of Mechanical Engineers, as they are now formed or as they may hereafter be altered: provided that, whenever I shall signify in writing to the Secretary that I am desirous of withdrawing from the Institution, I shall (after the payment of any arrears which may be due by me at that period) be free from this obligation.

Signature of Candidate.....

^{*} Certificate to be sent in with this proposal.

FORM C.

(PROPOSAL FOR TRANSFERENCE.)

Name in full		
Designation or Occupation		
Business Address		
beingyears of age, and desirous of being transferred into the class		
of of The Institution of Mechanical Engineers, we, the		
undersigned, from our personal knowledge, recommend him as a proper		
person to be so transferred by the Council.		
Witness our hands, thisday of		
Five Members' or Associate Members' Signatures are required, from		
personal knowledge.		
(Members of the Council do not sign this form.)		
Proposed by		
Seconded by		
55004404 55		
Those who sign this Form are desired to append their initials to the portions of the statement of which they have personal knowledge.		
* Initials of		
Supporters.		
Qualifications (since joining the Institution)		
•••••		
Signature of Candidate		

* Members supporting this proposal are requested to place their initials against those particulars of the Candidate's career of which they have personal knowledge.

FORM D.

I am, Sir, Your obedient servant,

Secretary.

FORM E.

I am, Sir, Your obedient servant,

Secretary.

FORM F.

I am, Sir, Your obedient servant,

Secretary.









